

Световые завесы BAL

Технические характеристики

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Basic Features	Working principle	Photoelectric Sensor
	Housing	Array
	Optical working principle	Thru-beam
	Safety class	-
	Standard	-
	Light source	Infrared light (modulation)
	Number of beams	4~496 beams
	Beam pitch	2.5/5/10/20/40mm
	Protection height	60~3990mm
	Protection distance	0.3~3.0m
	Mini. detectable object	φ3.75/φ6.5/φ15/φ25/φ45mm or more opaque object
Electrical data	Output Mode	I:4~20mA; U:1~5V; NPN/PNP; 485/232 output
	Synchronization type	Line synchronization
	Response time	≤15ms
	Operating voltage	24VDC ± 10%
	Current consumption	≤200mA
	Power consumption	3~8W
	Residual Voltage	Analog output
	Load Current	-
	Insulation resistance	≥100MΩ between power terminal and case (500VDC)
	Dielectric strength	500VAC (50/60Hz), 1 minute between power terminal and case
Environmental conditions	Protection circuit	Reverse polarity protection/short circuit protection/surge protection
	Operating temperature	-10~55°C(No freezing)
	Storage temperature	-10~55°C(No freezing)
	Operating humidity	35~85%RH(No condensation)
	Storage humidity	35~95%RH(No condensation)
	Ambient Illumination	LED≤3000Lux;Sunlight≤10000Lux
	Vibration resistance	10~150Hz, dual amplitude 1.5mm, 2 hours for each X/Y/Z axis
	Protection class	IP65
Mechanical data	Connection type	Cable
	Dimensions	136.5~5056.5x36x36mm
	Material	Aluminum
	Weight	0.68~8.28kg
	Accessories	Mounting bracket, mounting screws, M12/5-pin plug cablex2

BAL02

Beam pitch		2.5mm					
Mini. detectable object		φ3.75 or more opaque object					
Protection distance		0.3~3m					
Number of beams		32 beams	64 beams	96 beams	128 beams	160 beams	496 beams
Protection height		77.5mm	157.5mm	237.5mm	317.5mm	397.5mm	1237.5mm
Length of light curtain		136.5mm	216.5mm	296.5mm	376.5mm	456.5mm	1296.5mm
Model	Voltage	BAL02-T3203V	BAL02-T6403V	BAL02-T9603V	BAL02-T12803V	BAL02-T16003V	BAL02-T49603V
	Current	BAL02-T3203A	BAL02-T6403A	BAL02-T9603A	BAL02-T12803A	BAL02-T16003A	BAL02-T49603A

BAL05

Beam pitch		5mm					
Mini. detectable object		φ6.5 or more opaque object					
Protection distance		0.3~3m					
Number of beams		16 beams	24 beams	32 beams	40 beams	48 beams	496 beams
Protection height		75mm	115mm	155mm	195mm	235mm	2475mm
Length of light curtain		136.5mm	176.5mm	216.5mm	256.5mm	296.5mm	2536.5mm
Model	Voltage	BAL05-T1603V	BAL05-T2403V	BAL05-T3203V	BAL05-T4003V	BAL05-T4803V	BAL05-T100003V
	Current	BAL05-T1603A	BAL05-T2403A	BAL05-T3203A	BAL05-T4003A	BAL05-T4803A	BAL05-T100003A

BAL10

Beam pitch		10mm					
Mini. detectable object		φ15 or more opaque object					
Protection distance		0.3~3m					
Number of beams		8 beams	10 beams	12 beams	14 beams	16 beams	400 beams
Protection height		70mm	90mm	110mm	130mm	150mm	3990mm
Length of light curtain		136.5mm	156.5mm	176.5mm	196.5mm	216.5mm	4056.5mm
Model	Voltage	BAL10-T0803V	BAL10-T1003V	BAL10-T1203V	BAL10-T1403V	BAL10-T1603V	BAL10-T40003V
	Current	BAL10-T0803A	BAL10-T1003A	BAL10-T1203A	BAL10-T1403A	BAL10-T1603A	BAL10-T40003A

BAL20

Beam pitch		20mm					
Mini. detectable object		φ25 or more opaque object					
Protection distance		0.3~3m					
Number of beams		4 beams	6 beams	8 beams	10 beams	12 beams	200 beams
Protection height		60mm	100mm	140mm	180mm	220mm	3980mm
Length of light curtain		136.5mm	176.5mm	216.5mm	256.5mm	296.5mm	4056.5mm
Model	Voltage	BAL20-T0403V	BAL20-T0603V	BAL20-T0803V	BAL20-T1003V	BAL20-T1203V	BAL20-T20003V
	Current	BAL20-T0403A	BAL20-T0603A	BAL20-T0803A	BAL20-T1003A	BAL20-T1203A	BAL20-T20003A

BAL40

Beam pitch		40mm					
Mini. detectable object		φ45 or more opaque object					
Protection distance		0.3~3m					
Number of beams		4 beams	6 beams	8 beams	10 beams	12 beams	100 beams
Protection height		120mm	200mm	280mm	360mm	440mm	3960mm
Length of light curtain		196.5mm	276.5mm	356.5mm	436.5mm	516.5mm	4036.5mm
Model	Voltage	BAL40-T0403V	BAL40-T0603V	BAL40-T0803V	BAL40-T1003V	BAL40-T1203V	BAL40-T10003V
	Current	BAL40-T0403A	BAL40-T0603A	BAL40-T0803A	BAL40-T1003A	BAL40-T1203A	BAL40-T10003A

Measuring Type

BAL Series

BAL02

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL02-T3203V	BAL02-T3203A	2.5	32	77.5	136.5
BAL02-T4003V	BAL02-T4003A	2.5	40	97.5	156.5
BAL02-T4803V	BAL02-T4803A	2.5	48	117.5	176.5
BAL02-T5603V	BAL02-T5603A	2.5	56	137.5	196.5
BAL02-T6403V	BAL02-T6403A	2.5	64	157.5	216.5
BAL02-T7203V	BAL02-T7203A	2.5	72	177.5	236.5
BAL02-T8003V	BAL02-T8003A	2.5	80	197.5	256.5
BAL02-T8803V	BAL02-T8803A	2.5	88	217.5	276.5
BAL02-T9603V	BAL02-T9603A	2.5	96	237.5	296.5
BAL02-T10403V	BAL02-T10403A	2.5	104	257.5	316.5
BAL02-T11203V	BAL02-T11203A	2.5	112	277.5	336.5
BAL02-T12003V	BAL02-T12003A	2.5	120	297.5	356.5
BAL02-T12803V	BAL02-T12803A	2.5	128	317.5	376.5
BAL02-T13603V	BAL02-T13603A	2.5	136	337.5	396.5
BAL02-T14403V	BAL02-T14403A	2.5	144	357.5	416.5
BAL02-T15203V	BAL02-T15203A	2.5	152	377.5	436.5
BAL02-T16003V	BAL02-T16003A	2.5	160	397.5	456.5
BAL02-T16803V	BAL02-T16803A	2.5	168	417.5	476.5
BAL02-T17603V	BAL02-T17603A	2.5	176	437.5	496.5
BAL02-T18403V	BAL02-T18403A	2.5	184	457.5	516.5
BAL02-T19203V	BAL02-T19203A	2.5	192	477.5	536.5
BAL02-T20003V	BAL02-T20003A	2.5	200	497.5	556.5
BAL02-T20803V	BAL02-T20803A	2.5	208	517.5	576.5
BAL02-T21603V	BAL02-T21603A	2.5	216	537.5	596.5
BAL02-T22403V	BAL02-T22403A	2.5	224	557.5	616.5
BAL02-T23203V	BAL02-T23203A	2.5	232	577.5	636.5
BAL02-T24003V	BAL02-T24003A	2.5	240	597.5	656.5
BAL02-T24803V	BAL02-T24803A	2.5	248	617.5	676.5
BAL02-T25603V	BAL02-T25603A	2.5	256	637.5	696.5
BAL02-T26403V	BAL02-T26403A	2.5	264	657.5	716.5
BAL02-T27203V	BAL02-T27203A	2.5	272	677.5	736.5
BAL02-T28003V	BAL02-T28003A	2.5	280	697.5	756.5
BAL02-T28803V	BAL02-T28803A	2.5	288	717.5	776.5
BAL02-T29603V	BAL02-T29603A	2.5	296	737.5	796.5
BAL02-T30403V	BAL02-T30403A	2.5	304	757.5	816.5
BAL02-T31203V	BAL02-T31203A	2.5	312	777.5	836.5
BAL02-T32003V	BAL02-T32003A	2.5	320	797.5	856.5
BAL02-T32803V	BAL02-T32803A	2.5	328	817.5	876.5
BAL02-T33603V	BAL02-T33603A	2.5	336	837.5	896.5
BAL02-T34403V	BAL02-T34403A	2.5	344	857.5	916.5
BAL02-T35203V	BAL02-T35203A	2.5	352	877.5	936.5
BAL02-T36003V	BAL02-T36003A	2.5	360	897.5	956.5
BAL02-T36803V	BAL02-T36803A	2.5	368	917.5	976.5
BAL02-T37603V	BAL02-T37603A	2.5	376	937.5	996.5
BAL02-T38403V	BAL02-T38403A	2.5	384	957.5	1016.5
BAL02-T39203V	BAL02-T39203A	2.5	392	977.5	1036.5
BAL02-T40003V	BAL02-T40003A	2.5	400	997.5	1056.5
BAL02-T40803V	BAL02-T40803A	2.5	408	1017.5	1076.5
BAL02-T41603V	BAL02-T41603A	2.5	416	1037.5	1096.5
BAL02-T42403V	BAL02-T42403A	2.5	424	1057.5	1116.5
BAL02-T43203V	BAL02-T43203A	2.5	432	1077.5	1136.5
BAL02-T44003V	BAL02-T44003A	2.5	440	1097.5	1156.5
BAL02-T44803V	BAL02-T44803A	2.5	448	1117.5	1176.5
BAL02-T45603V	BAL02-T45603A	2.5	456	1137.5	1196.5
BAL02-T46403V	BAL02-T46403A	2.5	464	1157.5	1216.5
BAL02-T47203V	BAL02-T47203A	2.5	472	1177.5	1236.5
BAL02-T48003V	BAL02-T48003A	2.5	480	1197.5	1256.5
BAL02-T48803V	BAL02-T48803A	2.5	488	1217.5	1276.5
BAL02-T49603V	BAL02-T49603A	2.5	496	1237.5	1296.5

BAL05

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL05-T1603V	BAL05-T1603A	5	16	75	136.5
BAL05-T2403V	BAL05-T2403A	5	24	115	176.5
BAL05-T3203V	BAL05-T3203A	5	32	155	216.5
BAL05-T4003V	BAL05-T4003A	5	40	195	256.5
BAL05-T4803V	BAL05-T4803A	5	48	235	296.5
BAL05-T5603V	BAL05-T5603A	5	56	275	336.5
BAL05-T6403V	BAL05-T6403A	5	64	315	376.5
BAL05-T7203V	BAL05-T7203A	5	72	355	416.5
BAL05-T8003V	BAL05-T8003A	5	80	395	456.5
BAL05-T8803V	BAL05-T8803A	5	88	435	496.5
BAL05-T9603V	BAL05-T9603A	5	96	475	536.5
BAL05-T10403V	BAL05-T10403A	5	104	515	576.5
BAL05-T11203V	BAL05-T11203A	5	112	555	616.5
BAL05-T12003V	BAL05-T12003A	5	120	595	656.5
BAL05-T12803V	BAL05-T12803A	5	128	635	696.5
BAL05-T13603V	BAL05-T13603A	5	136	675	736.5
BAL05-T14403V	BAL05-T14403A	5	144	715	776.5
BAL05-T15203V	BAL05-T15203A	5	152	755	816.5
BAL05-T16003V	BAL05-T16003A	5	160	795	856.5
BAL05-T16803V	BAL05-T16803A	5	168	835	896.5
BAL05-T17603V	BAL05-T17603A	5	176	875	936.5
BAL05-T18403V	BAL05-T18403A	5	184	915	976.5
BAL05-T19203V	BAL05-T19203A	5	192	955	1016.5
BAL05-T20003V	BAL05-T20003A	5	200	995	1056.5
BAL05-T20803V	BAL05-T20803A	5	208	1035	1096.5
BAL05-T21603V	BAL05-T21603A	5	216	1075	1136.5
BAL05-T22403V	BAL05-T22403A	5	224	1115	1176.5
BAL05-T23203V	BAL05-T23203A	5	232	1155	1216.5
BAL05-T24003V	BAL05-T24003A	5	240	1195	1256.5
BAL05-T24803V	BAL05-T24803A	5	248	1235	1296.5
BAL05-T25603V	BAL05-T25603A	5	256	1275	1336.5
BAL05-T26403V	BAL05-T26403A	5	264	1315	1376.5
BAL05-T27203V	BAL05-T27203A	5	272	1355	1416.5
BAL05-T28003V	BAL05-T28003A	5	280	1395	1456.5
BAL05-T28803V	BAL05-T28803A	5	288	1435	1496.5
BAL05-T29603V	BAL05-T29603A	5	296	1475	1536.5
BAL05-T30403V	BAL05-T30403A	5	304	1515	1576.5
BAL05-T31203V	BAL05-T31203A	5	312	1555	1616.5
BAL05-T32003V	BAL05-T32003A	5	320	1595	1656.5
BAL05-T32803V	BAL05-T32803A	5	328	1635	1696.5
BAL05-T33603V	BAL05-T33603A	5	336	1675	1736.5
BAL05-T34403V	BAL05-T34403A	5	344	1715	1776.5
BAL05-T35203V	BAL05-T35203A	5	352	1755	1816.5
BAL05-T36003V	BAL05-T36003A	5	360	1795	1856.5
BAL05-T36803V	BAL05-T36803A	5	368	1835	1896.5
BAL05-T37603V	BAL05-T37603A	5	376	1875	1936.5
BAL05-T38403V	BAL05-T38403A	5	384	1915	1976.5
BAL05-T39203V	BAL05-T39203A	5	392	1955	2016.5
BAL05-T40003V	BAL05-T40003A	5	400	1995	2056.5
BAL05-T40803V	BAL05-T40803A	5	408	2035	2096.5
BAL05-T41603V	BAL05-T41603A	5	416	2075	2136.5
BAL05-T42403V	BAL05-T42403A	5	424	2115	2176.5
BAL05-T43203V	BAL05-T43203A	5	432	2155	2216.5
BAL05-T44003V	BAL05-T44003A	5	440	2195	2256.5
BAL05-T44803V	BAL05-T44803A	5	448	2235	2296.5
BAL05-T45603V	BAL05-T45603A	5	456	2275	2336.5
BAL05-T46403V	BAL05-T46403A	5	464	2315	2376.5
BAL05-T47203V	BAL05-T47203A	5	472	2355	2416.5
BAL05-T48003V	BAL05-T48003A	5	480	2395	2456.5
BAL05-T48803V	BAL05-T48803A	5	488	2435	2496.5
BAL05-T49603V	BAL05-T49603A	5	496	2475	2536.5

Measuring Type

BAL Series

BAL10

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL10-T0803V	BAL10-T0803A	10	8	70	136.5
BAL10-T1003V	BAL10-T1003A	10	10	90	156.5
BAL10-T1203V	BAL10-T1203A	10	12	110	176.5
BAL10-T1403V	BAL10-T1403A	10	14	130	196.5
BAL10-T1603V	BAL10-T1603A	10	16	150	216.5
BAL10-T1803V	BAL10-T1803A	10	18	170	236.5
BAL10-T2003V	BAL10-T2003A	10	20	190	256.5
BAL10-T2203V	BAL10-T2203A	10	22	210	276.5
BAL10-T2403V	BAL10-T2403A	10	24	230	296.5
BAL10-T2603V	BAL10-T2603A	10	26	250	316.5
BAL10-T2803V	BAL10-T2803A	10	28	270	336.5
BAL10-T3003V	BAL10-T3003A	10	30	290	356.5
BAL10-T3203V	BAL10-T3203A	10	32	310	376.5
BAL10-T3403V	BAL10-T3403A	10	34	330	396.5
BAL10-T4603V	BAL10-T4603A	10	36	350	416.5
BAL10-T3803V	BAL10-T3803A	10	38	370	436.5
BAL10-T4003V	BAL10-T4003A	10	40	390	456.5
BAL10-T4203V	BAL10-T4203A	10	42	410	476.5
BAL10-T4403V	BAL10-T4403A	10	44	430	496.5
BAL10-T4603V	BAL10-T4603A	10	46	450	516.5
BAL10-T4803V	BAL10-T4803A	10	48	470	536.5
BAL10-T5003V	BAL10-T5003A	10	50	490	556.5
BAL10-T5203V	BAL10-T5203A	10	52	510	576.5
BAL10-T5403V	BAL10-T5403A	10	54	530	596.5
BAL10-T5603V	BAL10-T5603A	10	56	550	616.5
BAL10-T5803V	BAL10-T5803A	10	58	570	636.5
BAL10-T6003V	BAL10-T6003A	10	60	590	656.5
BAL10-T6203V	BAL10-T6203A	10	62	610	676.5
BAL10-T6403V	BAL10-T6403A	10	64	630	696.5
BAL10-T6603V	BAL10-T6603A	10	66	650	716.5
BAL10-T6803V	BAL10-T6803A	10	68	670	736.5
BAL10-T7003V	BAL10-T7003A	10	70	690	756.5
BAL10-T7203V	BAL10-T7203A	10	72	710	776.5
BAL10-T7403V	BAL10-T7403A	10	74	730	796.5
BAL10-T7603V	BAL10-T7603A	10	76	750	816.5
BAL10-T7803V	BAL10-T7803A	10	78	770	836.5
BAL10-T8003V	BAL10-T8003A	10	80	790	856.5
BAL10-T8203V	BAL10-T8203A	10	82	810	876.5
BAL10-T8403V	BAL10-T8403A	10	84	830	896.5
BAL10-T8603V	BAL10-T8603A	10	86	850	916.5
BAL10-T8803V	BAL10-T8803A	10	88	870	936.5
BAL10-T9003V	BAL10-T9003A	10	90	890	956.5
BAL10-T9203V	BAL10-T9203A	10	92	910	976.5
BAL10-T9403V	BAL10-T9403A	10	94	930	996.5
BAL10-T9603V	BAL10-T9603A	10	96	950	1016.5
BAL10-T9803V	BAL10-T9803A	10	98	970	1036.5
BAL10-T10003V	BAL10-T10003A	10	100	990	1056.5
BAL10-T10203V	BAL10-T10203A	10	102	1010	1076.5
BAL10-T10403V	BAL10-T10403A	10	104	1030	1096.5
BAL10-T10603V	BAL10-T10603A	10	106	1050	1116.5
BAL10-T10803V	BAL10-T10803A	10	108	1070	1136.5
BAL10-T11003V	BAL10-T11003A	10	110	1090	1156.5
BAL10-T11203V	BAL10-T11203A	10	112	1110	1176.5
BAL10-T11403V	BAL10-T11403A	10	114	1130	1196.5
BAL10-T11603V	BAL10-T11603A	10	116	1150	1216.5
BAL10-T11803V	BAL10-T11803A	10	118	1170	1236.5
BAL10-T12003V	BAL10-T12003A	10	120	1190	1256.5
BAL10-T12203V	BAL10-T12203A	10	122	1210	1276.5
BAL10-T12403V	BAL10-T12403A	10	124	1230	1296.5

BAL10

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL10-T12603V	BAL10-T12603A	10	126	1250	1316.5
BAL10-T12803V	BAL10-T12803A	10	128	1270	1336.5
BAL10-T13003V	BAL10-T13003A	10	130	1290	1356.5
BAL10-T13203V	BAL10-T13203A	10	132	1310	1376.5
BAL10-T13403V	BAL10-T13403A	10	134	1330	1396.5
BAL10-T13603V	BAL10-T13603A	10	136	1350	1416.5
BAL10-T13803V	BAL10-T13803A	10	138	1370	1436.5
BAL10-T14003V	BAL10-T14003A	10	140	1390	1456.5
BAL10-T14203V	BAL10-T14203A	10	142	1410	1476.5
BAL10-T14403V	BAL10-T14403A	10	144	1430	1496.5
BAL10-T14603V	BAL10-T14603A	10	146	1450	1516.5
BAL10-T14803V	BAL10-T14803A	10	148	1470	1536.5
BAL10-T15003V	BAL10-T15003A	10	150	1490	1556.5
BAL10-T15203V	BAL10-T15203A	10	152	1510	1576.5
BAL10-T15403V	BAL10-T15403A	10	154	1530	1596.5
BAL10-T15603V	BAL10-T15603A	10	156	1550	1616.5
BAL10-T15803V	BAL10-T15803A	10	158	1570	1636.5
BAL10-T16003V	BAL10-T16003A	10	160	1590	1656.5
BAL10-T16203V	BAL10-T16203A	10	162	1610	1676.5
BAL10-T16403V	BAL10-T16403A	10	164	1630	1696.5
BAL10-T16603V	BAL10-T16603A	10	166	1650	1716.5
BAL10-T16803V	BAL10-T16803A	10	168	1670	1736.5
BAL10-T17003V	BAL10-T17003A	10	170	1690	1756.5
BAL10-T17203V	BAL10-T17203A	10	172	1710	1776.5
BAL10-T17403V	BAL10-T17403A	10	174	1730	1796.5
BAL10-T17603V	BAL10-T17603A	10	176	1750	1816.5
BAL10-T17803V	BAL10-T17803A	10	178	1770	1836.5
BAL10-T18003V	BAL10-T18003A	10	180	1790	1856.5
BAL10-T18203V	BAL10-T18203A	10	182	1810	1876.5
BAL10-T18403V	BAL10-T18403A	10	184	1830	1896.5
BAL10-T18603V	BAL10-T18603A	10	186	1850	1916.5
BAL10-T18803V	BAL10-T18803A	10	188	1870	1936.5
BAL10-T19003V	BAL10-T19003A	10	190	1890	1956.5
BAL10-T19203V	BAL10-T19203A	10	192	1910	1976.5
BAL10-T19403V	BAL10-T19403A	10	194	1930	1996.5
BAL10-T19603V	BAL10-T19603A	10	196	1950	2016.5
BAL10-T19803V	BAL10-T19803A	10	198	1970	2036.5
BAL10-T20003V	BAL10-T20003A	10	200	1990	2056.5
BAL10-T20203V	BAL10-T20203A	10	202	2010	2076.5
BAL10-T20403V	BAL10-T20403A	10	204	2030	2096.5
BAL10-T20603V	BAL10-T20603A	10	206	2050	2116.5
BAL10-T20803V	BAL10-T20803A	10	208	2070	2136.5
BAL10-T21003V	BAL10-T21003A	10	210	2090	2156.5
BAL10-T21203V	BAL10-T21203A	10	212	2110	2176.5
BAL10-T21403V	BAL10-T21403A	10	214	2130	2196.5
BAL10-T21603V	BAL10-T21603A	10	216	2150	2216.5
BAL10-T21803V	BAL10-T21803A	10	218	2170	2236.5
BAL10-T22003V	BAL10-T22003A	10	220	2190	2256.5
BAL10-T22203V	BAL10-T22203A	10	222	2210	2276.5
BAL10-T22403V	BAL10-T22403A	10	224	2230	2296.5
BAL10-T22603V	BAL10-T22603A	10	226	2250	2316.5
BAL10-T22803V	BAL10-T22803A	10	228	2270	2336.5
BAL10-T23003V	BAL10-T23003A	10	230	2290	2356.5
BAL10-T23203V	BAL10-T23203A	10	232	2310	2376.5
BAL10-T23403V	BAL10-T23403A	10	234	2330	2396.5
BAL10-T23603V	BAL10-T23603A	10	236	2350	2416.5
BAL10-T23803V	BAL10-T23803A	10	238	2370	2436.5
BAL10-T24003V	BAL10-T24003A	10	240	2390	2456.5
BAL10-T24203V	BAL10-T24203A	10	242	2410	2476.5

Measuring Type

BAL Series

BAL10

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL10-T24403V	BAL10-T24403A	10	244	2430	2496.5
BAL10-T24603V	BAL10-T24603A	10	246	2450	2516.5
BAL10-T24803V	BAL10-T24803A	10	248	2470	2536.5
BAL10-T25003V	BAL10-T25003A	10	250	2490	2556.5
BAL10-T25203V	BAL10-T25203A	10	252	2510	2576.5
BAL10-T25403V	BAL10-T25403A	10	254	2530	2596.5
BAL10-T25603V	BAL10-T25603A	10	256	2550	2616.5
BAL10-T25803V	BAL10-T25803A	10	258	2570	2636.5
BAL10-T26003V	BAL10-T26003A	10	260	2590	2656.5
BAL10-T26203V	BAL10-T26203A	10	262	2610	2676.5
BAL10-T26403V	BAL10-T26403A	10	264	2630	2696.5
BAL10-T26603V	BAL10-T26603A	10	266	2650	2716.5
BAL10-T26803V	BAL10-T26803A	10	268	2670	2736.5
BAL10-T27003V	BAL10-T27003A	10	270	2690	2756.5
BAL10-T27203V	BAL10-T27203A	10	272	2710	2776.5
BAL10-T27403V	BAL10-T27403A	10	274	2730	2796.5
BAL10-T27603V	BAL10-T27603A	10	276	2750	2816.5
BAL10-T27803V	BAL10-T27803V	10	278	2770	2836.5
BAL10-T28003V	BAL10-T28003A	10	280	2790	2856.5
BAL10-T28203V	BAL10-T28203A	10	282	2810	2876.5
BAL10-T28403V	BAL10-T28403A	10	284	2830	2896.5
BAL10-T28603V	BAL10-T28603A	10	286	2850	2916.5
BAL10-T28803V	BAL10-T28803A	10	288	2870	2936.5
BAL10-T29003V	BAL10-T29003A	10	290	2890	2956.5
BAL10-T29203V	BAL10-T29203A	10	292	2910	2976.5
BAL10-T29403V	BAL10-T29403A	10	294	2930	2996.5
BAL10-T29603V	BAL10-T29603A	10	296	2950	3016.5
BAL10-T29803V	BAL10-T29803A	10	298	2970	3036.5
BAL10-T30003V	BAL10-T30003A	10	300	2990	3056.5
BAL10-T30203V	BAL10-T30203A	10	302	3010	3076.5
BAL10-T30403V	BAL10-T30403A	10	304	3030	3096.5
BAL10-T30603V	BAL10-T30603A	10	306	3050	3116.5
BAL10-T30803V	BAL10-T30803A	10	308	3070	3136.5
BAL10-T31003V	BAL10-T31003A	10	310	3090	3156.5
BAL10-T31203V	BAL10-T31203A	10	312	3110	3176.5
BAL10-T31403V	BAL10-T31403A	10	314	3130	3196.5
BAL10-T31603V	BAL10-T31603A	10	316	3150	3216.5
BAL10-T31803V	BAL10-T31803A	10	318	3170	3236.5
BAL10-T32003V	BAL10-T32003A	10	320	3190	3256.5
BAL10-T32203V	BAL10-T32203A	10	322	3210	3276.5
BAL10-T32403V	BAL10-T32403A	10	324	3230	3296.5
BAL10-T32603V	BAL10-T32603A	10	326	3250	3316.5
BAL10-T32803V	BAL10-T32803A	10	328	3270	3336.5
BAL10-T33003V	BAL10-T33003A	10	330	3290	3356.5
BAL10-T33203V	BAL10-T33203A	10	332	3310	3376.5
BAL10-T33403V	BAL10-T33403A	10	334	3330	3396.5
BAL10-T33603V	BAL10-T33603A	10	336	3350	3416.5
BAL10-T33803V	BAL10-T33803A	10	338	3370	3436.5
BAL10-T34003V	BAL10-T34003A	10	340	3390	3456.5
BAL10-T34203V	BAL10-T34203A	10	342	3410	3476.5
BAL10-T34403V	BAL10-T34403A	10	344	3430	3496.5
BAL10-T34603V	BAL10-T34603A	10	346	3450	3516.5
BAL10-T34803V	BAL10-T34803A	10	348	3470	3536.5
BAL10-T35003V	BAL10-T35003A	10	350	3490	3556.5
BAL10-T35203V	BAL10-T35203A	10	352	3510	3576.5
BAL10-T35403V	BAL10-T35403A	10	354	3530	3596.5
BAL10-T35603V	BAL10-T35603A	10	356	3550	3616.5
BAL10-T35803V	BAL10-T35803A	10	358	3570	3636.5
BAL10-T36003V	BAL10-T36003A	10	360	3590	3656.5

BAL10

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL10-T36203V	BAL10-T36203A	10	362	3610	3676.5
BAL10-T36403V	BAL10-T36403A	10	364	3630	3696.5
BAL10-T36603V	BAL10-T36603A	10	366	3650	3716.5
BAL10-T36803V	BAL10-T36803A	10	368	3670	3736.5
BAL10-T37003V	BAL10-T37003A	10	370	3690	3756.5
BAL10-T37203V	BAL10-T37203A	10	372	3710	3776.5
BAL10-T37403V	BAL10-T37403A	10	374	3730	3796.5
BAL10-T37603V	BAL10-T37603A	10	376	3750	3816.5
BAL10-T37803V	BAL10-T37803A	10	378	3770	3836.5
BAL10-T38003V	BAL10-T38003A	10	380	3790	3856.5
BAL10-T38203V	BAL10-T38203A	10	382	3810	3876.5
BAL10-T38403V	BAL10-T38403A	10	384	3830	3896.5
BAL10-T38603V	BAL10-T38603A	10	386	3850	3916.5
BAL10-T38803V	BAL10-T38803A	10	388	3870	3936.5
BAL10-T39003V	BAL10-T39003A	10	390	3890	3956.5
BAL10-T39203V	BAL10-T39203A	10	392	3910	3976.5
BAL10-T39403V	BAL10-T39403A	10	394	3930	3996.5
BAL10-T39603V	BAL10-T39603A	10	396	3950	4016.5
BAL10-T39803V	BAL10-T39803A	10	398	3970	4036.5
BAL10-T40003V	BAL10-T40003A	10	400	3990	4056.5

BAL20

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL20-T0403V	BAL20-T0403A	20	4	60	136.5
BAL20-T0603V	BAL20-T0603A	20	6	100	176.5
BAL20-T0803V	BAL20-T0803A	20	8	140	216.5
BAL20-T1003V	BAL20-T1003A	20	10	180	256.5
BAL20-T1203V	BAL20-T1203A	20	12	220	296.5
BAL20-T1403V	BAL20-T1403A	20	14	260	336.5
BAL20-T1603V	BAL20-T1603A	20	16	300	376.5
BAL20-T1803V	BAL20-T1803A	20	18	340	416.5
BAL20-T2003V	BAL20-T2003A	20	20	380	456.5
BAL20-T2203V	BAL20-T2203A	20	22	420	496.5
BAL20-T2403V	BAL20-T2403A	20	24	460	536.5
BAL20-T2603V	BAL20-T2603A	20	26	500	576.5
BAL20-T2803V	BAL20-T2803A	20	28	540	616.5
BAL20-T3003V	BAL20-T3003A	20	30	580	656.5
BAL20-T3203V	BAL20-T3203A	20	32	620	696.5
BAL20-T3403V	BAL20-T3403A	20	34	660	736.5
BAL20-T4603V	BAL20-T4603A	20	36	700	776.5
BAL20-T3803V	BAL20-T3803A	20	38	740	816.5
BAL20-T4003V	BAL20-T4003A	20	40	780	856.5
BAL20-T4203V	BAL20-T4203A	20	42	820	896.5
BAL20-T4403V	BAL20-T4403A	20	44	860	936.5
BAL20-T4603V	BAL20-T4603A	20	46	900	976.5
BAL20-T4803V	BAL20-T4803A	20	48	940	1016.5
BAL20-T5003V	BAL20-T5003A	20	50	980	1056.5
BAL20-T5203V	BAL20-T5203A	20	52	1020	1096.5
BAL20-T5403V	BAL20-T5403A	20	54	1060	1136.5
BAL20-T5603V	BAL20-T5603A	20	56	1100	1176.5
BAL20-T5803V	BAL20-T5803A	20	58	1140	1216.5
BAL20-T6003V	BAL20-T6003A	20	60	1180	1256.5
BAL20-T6203V	BAL20-T6203A	20	62	1220	1296.5
BAL20-T6403V	BAL20-T6403A	20	64	1260	1336.5
BAL20-T6603V	BAL20-T6603A	20	66	1300	1376.5
BAL20-T6803V	BAL20-T6803A	20	68	1340	1416.5
BAL20-T7003V	BAL20-T7003A	20	70	1380	1456.5
BAL20-T7203V	BAL20-T7203A	20	72	1420	1496.5

Measuring Type

BAL Series

BAL20

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL20-T7403V	BAL20-T7403A	20	74	1460	1536.5
BAL20-T7603V	BAL20-T7603A	20	76	1500	1576.5
BAL20-T7803V	BAL20-T7803A	20	78	1540	1616.5
BAL20-T8003V	BAL20-T8003A	20	80	1580	1656.5
BAL20-T8203V	BAL20-T8203A	20	82	1620	1696.5
BAL20-T8403V	BAL20-T8403A	20	84	1660	1736.5
BAL20-T8603V	BAL20-T8603A	20	86	1700	1776.5
BAL20-T8803V	BAL20-T8803A	20	88	1740	1816.5
BAL20-T9003V	BAL20-T9003A	20	90	1780	1856.5
BAL20-T9203V	BAL20-T9203A	20	92	1820	1896.5
BAL20-T9403V	BAL20-T9403A	20	94	1860	1936.5
BAL20-T9603V	BAL20-T9603A	20	96	1900	1976.5
BAL20-T9803V	BAL20-T9803A	20	98	1940	2016.5
BAL20-T10003V	BAL20-T10003A	20	100	1980	2056.5
BAL20-T10203V	BAL20-T10203A	20	102	2020	2116.5
BAL20-T10403V	BAL20-T10403A	20	104	2060	2156.5
BAL20-T10603V	BAL20-T10603A	20	106	2100	2196.5
BAL20-T10803V	BAL20-T10803A	20	108	2140	2236.5
BAL20-T11003V	BAL20-T11003A	20	110	2180	2276.5
BAL20-T11203V	BAL20-T11203A	20	112	2240	2316.5
BAL20-T11403V	BAL20-T11403A	20	114	2280	2356.5
BAL20-T11603V	BAL20-T11603A	20	116	2320	2396.5
BAL20-T11803V	BAL20-T11803A	20	118	2360	2436.5
BAL20-T12003V	BAL20-T12003A	20	120	2400	2476.5
BAL20-T12203V	BAL20-T12203A	20	122	2440	2516.5
BAL20-T12403V	BAL20-T12403A	20	124	2480	2556.5
BAL20-T12603V	BAL20-T12603A	10	126	2520	2596.5
BAL20-T12803V	BAL20-T12803A	10	128	2560	2636.5
BAL20-T13003V	BAL20-T13003A	10	130	2600	2676.5
BAL20-T13203V	BAL20-T13203A	10	132	2640	2716.5
BAL20-T13403V	BAL20-T13403A	10	134	2680	2756.5
BAL20-T13603V	BAL20-T13603A	10	136	2720	2796.5
BAL20-T13803V	BAL20-T13803A	10	138	2760	2836.5
BAL20-T14003V	BAL20-T14003A	10	140	2800	2876.5
BAL20-T14203V	BAL20-T14203A	10	142	2840	2916.5
BAL20-T14403V	BAL20-T14403A	10	144	2880	2956.5
BAL20-T14603V	BAL20-T14603A	10	146	2920	2996.5
BAL20-T14803V	BAL20-T14803A	10	148	2960	3036.5
BAL20-T15003V	BAL20-T15003A	10	150	3000	3076.5
BAL20-T15203V	BAL20-T15203A	10	152	3040	3116.5
BAL20-T15403V	BAL20-T15403A	10	154	3080	3156.5
BAL20-T15603V	BAL20-T15603A	10	156	3120	3196.5
BAL20-T15803V	BAL20-T15803A	10	158	3160	3236.5
BAL20-T16003V	BAL20-T16003A	10	160	3200	3276.5
BAL20-T16203V	BAL20-T16203A	10	162	3240	3316.5
BAL20-T16403V	BAL20-T16403A	10	164	3280	3356.5
BAL20-T16603V	BAL20-T16603A	10	166	3320	3396.5
BAL20-T16803V	BAL20-T16803A	10	168	3360	3436.5
BAL20-T17003V	BAL20-T17003A	10	170	3400	3476.5
BAL20-T17203V	BAL20-T17203A	10	172	3440	3516.5
BAL20-T17403V	BAL20-T17403A	10	174	3480	3556.5
BAL20-T17603V	BAL20-T17603A	10	176	3520	3596.5
BAL20-T17803V	BAL20-T17803A	10	178	3560	3636.5
BAL20-T18003V	BAL20-T18003A	10	180	3600	3676.5
BAL20-T18203V	BAL20-T18203A	10	182	3640	3716.5
BAL20-T18403V	BAL20-T18403A	10	184	3680	3756.5
BAL20-T18603V	BAL20-T18603A	10	186	3720	3796.5
BAL20-T18803V	BAL20-T18803A	10	188	3760	3836.5

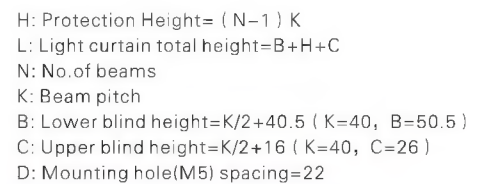
BAL20

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL20-T19003V	BAL20-T19003A	10	190	3800	3876.5
BAL20-T19203V	BAL20-T19203A	10	192	3840	3916.5
BAL20-T19403V	BAL20-T19403A	10	194	3880	3956.5
BAL20-T19603V	BAL20-T19603A	10	196	3920	3996.5
BAL20-T19803V	BAL20-T19803A	10	198	3960	4036.5
BAL20-T20003V	BAL20-T20003A	10	200	3980	4056.5

BAL40

Model		Beam pitch	No. Beams	Detection Height	Light Curtain Height
BAL40-T0403V	BAL40-T0403A	40	4	120	196.5
BAL40-T0603V	BAL40-T0603A	40	6	200	276.5
BAL40-T0803V	BAL40-T0803A	40	8	280	356.5
BAL40-T1003V	BAL40-T1003A	40	10	360	436.5
BAL40-T1203V	BAL40-T1203A	40	12	440	516.5
BAL40-T1403V	BAL40-T1403A	40	14	520	596.5
BAL40-T1603V	BAL40-T1603A	40	16	600	676.5
BAL40-T1803V	BAL40-T1803A	40	18	680	756.5
BAL40-T2003V	BAL40-T2003A	40	20	760	836.5
BAL40-T2203V	BAL40-T2203A	40	22	840	916.5
BAL40-T2403V	BAL40-T2403A	40	24	920	996.5
BAL40-T2603V	BAL40-T2603A	40	26	1000	1076.5
BAL40-T2803V	BAL40-T2803A	40	28	1080	1156.5
BAL40-T3003V	BAL40-T3003A	40	30	1160	1236.5
BAL40-T3203V	BAL40-T3203A	40	32	1240	1316.5
BAL40-T3403V	BAL40-T3403A	40	34	1320	1396.5
BAL40-T4603V	BAL40-T4603A	40	36	1400	1476.5
BAL40-T3803V	BAL40-T3803A	40	38	1480	1556.5
BAL40-T4003V	BAL40-T4003A	40	40	1560	1636.5
BAL40-T4203V	BAL40-T4203A	40	42	1640	1716.5
BAL40-T4403V	BAL40-T4403A	40	44	1720	1796.5
BAL40-T4603V	BAL40-T4603A	40	46	1800	1876.5
BAL40-T4803V	BAL40-T4803A	40	48	1880	1956.5
BAL40-T5003V	BAL40-T5003A	40	50	1960	2036.5
BAL40-T5203V	BAL40-T5203A	40	52	2040	2116.5
BAL40-T5403V	BAL40-T5403A	40	54	2120	2196.5
BAL40-T5603V	BAL40-T5603A	40	56	2200	2276.5
BAL40-T5803V	BAL40-T5803A	40	58	2280	2356.5
BAL40-T6003V	BAL40-T6003A	40	60	2360	2436.5
BAL40-T6203V	BAL40-T6203A	40	62	2440	2516.5
BAL40-T6403V	BAL40-T6403A	40	64	2520	2596.5
BAL40-T6603V	BAL40-T6603A	40	66	2600	2676.5
BAL40-T6803V	BAL40-T6803A	40	68	2680	2756.5
BAL40-T7003V	BAL40-T7003A	40	70	2760	2836.5
BAL40-T7203V	BAL40-T7203A	40	72	2840	2916.5
BAL40-T7403V	BAL40-T7403A	40	74	2920	2996.5
BAL40-T7603V	BAL40-T7603A	40	76	3000	3076.5
BAL40-T7803V	BAL40-T7803A	40	78	3080	3156.5
BAL40-T8003V	BAL40-T8003A	40	80	3160	3236.5
BAL40-T8203V	BAL40-T8203A	40	82	3240	3316.5
BAL40-T8403V	BAL40-T8403A	40	84	3320	3396.5
BAL40-T8603V	BAL40-T8603A	40	86	3400	3476.5
BAL40-T8803V	BAL40-T8803A	40	88	3480	3556.5
BAL40-T9003V	BAL40-T9003A	40	90	3560	3636.5
BAL40-T9203V	BAL40-T9203A	40	92	3640	3716.5
BAL40-T9403V	BAL40-T9403A	40	94	3720	3796.5
BAL40-T9603V	BAL40-T9603A	40	96	3800	3876.5
BAL40-T9803V	BAL40-T9803A	40	98	3880	3956.5
BAL40-T10003V	BAL40-T10003A	40	100	3960	4036.5

Unit:mm



The diagram illustrates the wiring for the Emitter and Receiver. The Emitter is on the left and the Receiver is on the right. Both have a 5-pin connector at the bottom. The wiring is as follows:

- BROWN:** +12-24V DC (Connects to pin 1 of both Emitter and Receiver)
- BLUE:** 0V (Connects to pin 2 of both Emitter and Receiver)
- BLACK:** Synchronization (Connects to pin 3 of both Emitter and Receiver)
- WHITE:** OUT 1:4-20mA; U:1-5V (Connects to pin 4 of both Emitter and Receiver)
- YELLOW:** Shield (Connects to pin 5 of both Emitter and Receiver)

Additional notes in the diagram:

- Power indicator (Red):** Power on (Light on) - points to the top of the Emitter.
- Connect all light paths (Green):** intercept light path (Red) - points to the top of the Receiver.

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