

Z-RANGE RFID with OSSD: BMZ

FEATURES & APPLICATION:

Will connect to most popular standard Safety Relays to maintain a PLe Safety Level even with switches connected in series.

M18 cylindrical barrel, mirror polished Stainless Steel 316 housing, IP69K, can be used in almost any environment including high pressure cleaning.

Easy to understand LED diagnostic functions and provide auxiliary outputs for extra diagnostic signals to PLCs or computers.

The typical sensing distance "ON" is 8mm with wide tolerance to guard misalignment after setting.

RFID sensing provides a tamper resistant operation when the actuator is in the sensing range of the switch.

Available in 2 Versions:

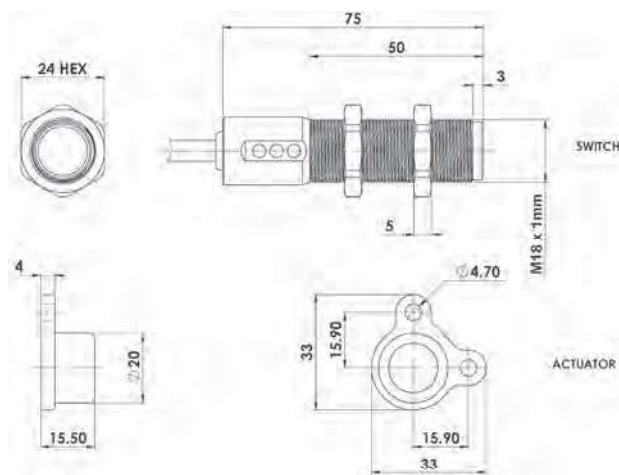
Type M Master code - any actuator will operate any switch. For when unique door activation is not required, but RFID makes it virtually impossible to be overridden or by-passed by simple means.

Type U 32,000,000 Unique codes - factory set and used when **unique** activation is required in areas where there are many interlocked doors and security of individual areas is required.



Quick Connect M12 versions fitted with 250mm (10") cable

DIMENSIONS:



TECHNICAL SPECIFICATION:

Standards	ISO14119 EN 60947-5-3 EN 60204-1 ISO 13849-1 EN 62061 UL508
Supply Voltage	24 Vdc -15% +10% Use SELV/PELV
Power Consumption	0.7W
Outputs Rated Voltage	24Vdc Max: 0.1A / Min: 1 mA
Outputs Type	OSSD, PNP
Inputs Rated Voltage	24Vdc
Inputs Rated Current	2 mA
Auxiliary Circuits	24Vdc 0.2A Max. output current
Signalling Output Type	PNP
Assured Switching Distances	SAO: 5mm / SAR: 20mm
Recommended Setting Gap	5mm
Tolerance to Misalignment	+/-5mm in any direction from 5mm setting gap
Material	316 Stainless Steel
Enclosure Protection	IP69K (QC versions IP67 for connector)
Operating Temperature	-20C to +55C
Dielectric Withstand	250V.ac
Insulation Resistance	100 Mohms

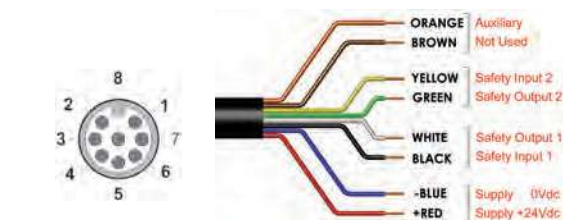
PART NUMBERS:

SALES NUMBER	UNIQUELY CODED (every switch unique activation)	CABLE LENGTH
411101	BMZ-U	5M
411102	BMZ-U	10M
411103	BMZ-U	QC-M12

SALES NUMBER	MASTER CODED (same code every switch)	CABLE LENGTH
411001	BMZ-M	5M
411002	BMZ-M	10M
411003	BMZ-M	QC-M12
411200	Replacement Actuator Master Coded	



140101	Female QC Lead	M12 Female 5m. 8 way
140102	Female QC Lead	M12 Female 10m. 8 way



Quick Connect QC M12 8 Way Male Plug Pin view from Switch	Flying Lead Colour	Circuit (Actuator Present)
2	Red	Supply +24Vdc
3	Blue	Supply 0Vdc
7	Black	Safety Input 1
1	White	Safety Output 1
4	Yellow	Safety Input 2
6	Green	Safety Output 2
5		Not used
8	Orange	Auxiliary

For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed and the actuator is present.