

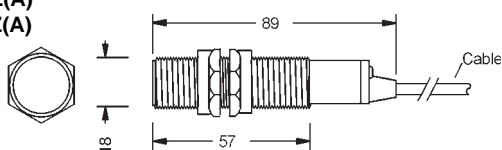
## MULTI-VOLTAGE INDUCTIVE SENSORS

Consists of 18 and 30mm, 2 wire versions (24-240V ac/dc), plus DIN standard limit switch package (12-240V dc/24-240V ac) with relay output.

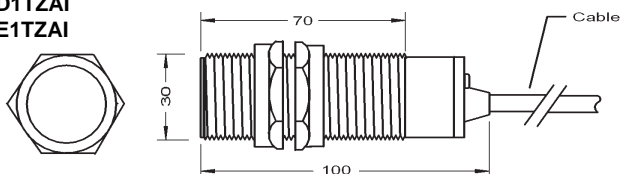


### Dimensions

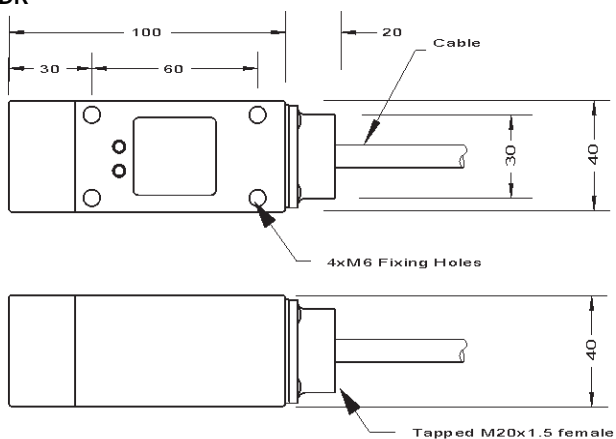
ID1MZ(A)  
IE1MZ(A)



ID1TZAI  
IE1TZAI

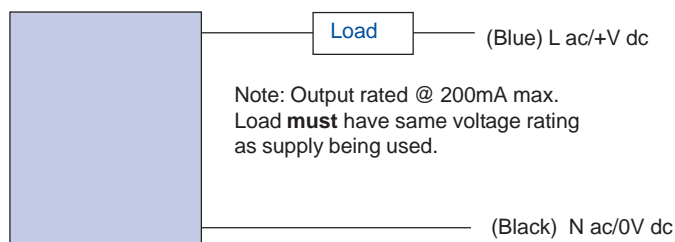


UD1DR



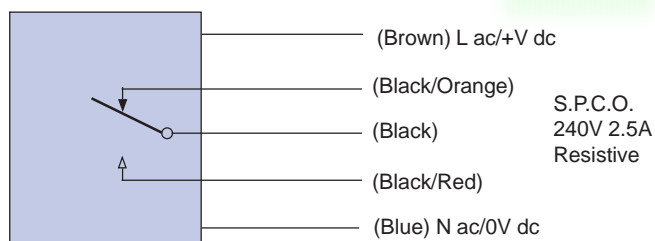
### Connections

ID1MZ(A) - IE1MZ(A) - ID1TZAI - IE1TAI



'D' variation sensors ID1#Z(A) output **ON** when **sensing**.  
'E' variation sensors IE1#Z(A) output **OFF** when **sensing**.

UD1DR



2 wire units: supply voltage is 24-240V ac/dc.  
5 wire units: supply voltage is 12-24V ac/24-240V dc.

I#1MZ(A) ATEX category: ⒺII 1D (Zone 20).  
I#1MZ(AG) ATEX category: ⒺII 2G 1D EEx m IIB (Zone 1/20).

Sensor attachment accessory available (Whirligig),  
Targets are fully protected, no further guarding required.  
See Speed Monitoring Catalogue (Section 3), for details.

### SPECIFICATION - GENERAL

	ID1MZ(A)-IE1MZ(A) (18mm)	ID1TZAI-IE1TZAI (30mm)	UD1DR Limit switch
Supply	24-240V ac/dc.		12-240V dc/24-240V dc.
Output	2 wire FET.		SPCO relay.
Output Rating	200mA maximum.		2.5A 240V ac maximum Non-inductive.
Output State	'D' normally OFF, 'E' normally ON.		Normally OFF.
Operating Range	8mm	12mm	
Hysteresis	15% of Operating range.		
Ambient Temp.	-15°C to +50°C.		
IP Rating	IP65.		
Number of cores	2		5
Weight	260g	300g	325g

Note: To prevent damage to units, 2 wire sensors **MUST** be wired in series with a load/relay/contactor and **NOT** directly across supply being used.

Note: ID1MZ(A) & IE1MZ(A) are also available with Gas Hazard IE approval -units becomes I#1MZ(AG). Suitable for gas group 2B. Supply **must** be fused (see manual supplied with unit). All other details are as stated above.