

■ High-frequency oscillating AC 2-wire

Model	UP18RM-5A□□	UP18RD-8A□□	UP18RLM-5A□□	UP18RLD-8A□□
Exterior				
Shield	Shielded	Non-shielded	Shielded	Non-shielded
Standard target (mm)	Ferrous metal (18 × 18 × 1)	Ferrous metal (25 × 25 × 1)	Ferrous metal (18 × 18 × 1)	Ferrous metal (25 × 25 × 1)
Sensing distance	5 mm	8 mm	5 mm	8 mm
Set distance	0 to 4 mm	0 to 6.4 mm	0 to 4 mm	0 to 6.4 mm
Hysteresis	10% of the sensing distance or less			
Response frequency	20 Hz			
Power voltage	100 - 240 V a.c. 50 - 60 Hz (Operating voltage range: 90 - 250 V a.c. 50 - 60 Hz)			
Control output	200 mA max. (resistive load)			
Residual voltage	10 V or lower			
Leakage current	2.2 mA or lower			
Operation indicator	Red LED			
Protection circuit	Built-in surge protection circuit			
Ambient temperature/humidity	-25 to 70 °C (±10% of the sensing distance or less at 20 °C), 35 to 85% RH			
Insulation resistance	50 MΩ or higher (500 V d.c. in megaohms); between all terminals and the CASE			
Dielectric strength	2,000 V a.c. 1 minute at 50/60 Hz (between all terminals and the CASE)			
Vibration resistance	10 - 55 Hz (1 minute interval, double amplitude: 1.5 mm, 2 hours in each direction X, Y, Z)			
Shock resistance	500 m/s ² , 3 times in each direction X, Y, Z			
Protective structure	IP67 (IEC 60529)			
Connecting structure	Cable type (standard cable length: 2 m), Connector cable type, Connector type			
Color	•NO: Green •NC: Navy			
Material	•Case: Brass (chrome-plated) •Sensor face: PBT •Cable holder: Polyester elastomer			
Weight	Cable type	120 g	140 g	
	Connector cable type	80 g	100 g	
	Connector type	60 g	80 g	

■ High-frequency oscillating AC 2-wire

Model	UP30RM-10A□□	UP30RD-15A□□	UP30RLM-10A□□	UP30RLD-15A□□
Exterior				
Shield	Shielded	Non-shielded	Shielded	Non-shielded
Standard target (mm)	Ferrous metal (30 × 30 × 1)	Ferrous metal (45 × 45 × 1)	Ferrous metal (30 × 30 × 1)	Ferrous metal (45 × 45 × 1)
Sensing distance	10 mm	15 mm	10 mm	15 mm
Set distance	0 to 8 mm	0 to 12 mm	0 to 8 mm	0 to 12 mm
Hysteresis	10% of the sensing distance or less			
Response frequency	20 Hz			
Power voltage	100 - 240 V a.c. 50 - 60 Hz (Operating voltage range: 90 - 250 V a.c. 50 - 60 Hz)			
Control output	200 mA max. (resistive load)			
Residual voltage	10 V or lower			
Leakage current	2.2 mA or lower			
Operation indicator	Red LED			
Protection circuit	Built-in surge protection circuit			
Ambient temperature/humidity	-25 to 70 °C (±10% of the sensing distance or less at 20 °C), 35 to 85% RH			
Insulation resistance	50 MΩ or higher (500 V d.c. in megaohms); between all terminals and the CASE			
Dielectric strength	2,000 V a.c. 1 minute at 50/60 Hz (between all terminals and the CASE)			
Vibration resistance	10 - 55 Hz (1 minute interval, double amplitude: 1.5 mm, 2 hours in each direction X, Y, Z)			
Shock resistance	500 m/s ² , 3 times in each direction X, Y, Z			
Protective structure	IP67 (IEC 60529)			
Connecting structure	Cable type (standard cable length: 2 m), Connector cable type, Connector type			
Color	•NO: Green •NC: Navy			
Material	•Case: Brass (chrome-plated) •Sensor face: PBT •Cable holder: Polyester elastomer			
Weight	Cable type	170 g	170 g	220 g
	Connector cable type	130 g	130 g	180 g
	Connector type	150 g	150 g	200 g