

Limit switch boxes YT-870 / YT-875

Design features

- **Visual position indicator.** 360° viewing angle.
- **Multiple output signals.** Eight contacts of terminal ports.
- **Universal compatibility.** Suitable for rotary actuators (ISO 5211).
- **Easy configuration.** Simple adjustment of cam position.
- **Dual conduit entries.** Separate power & signal cable connections.

Item type		YT-870M YT-875M	YT-870P YT-875P	YT-870D YT-875D	
Switch type		Mech. switch (2 x SPDT)	Inductive proximity sensor		Mech. switch (2 x DPDT)
		SS5GL (Omron)	PSN17- 5DNU (Autonics, NPN type)	NJ2-V3-N (P&F, NC type)	DZ-10G-1B (Omron)
Switch rating	AC	250 V 5 A 125 V 5 A	-	-	125 V or 250 V 10A
	DC	250 V 0.2 A, 125 V 0.4 A, 30 V 4 A, 14 V 5 A, 8 V 5 A	12 - 24 V	8.2 V	125 V 0.5 A, 250 V 0.25 A, 30 V 10 A, 14 V 10 A, 8 V 10 A
Ingress protection		Type 4, 4X, IP 67			
Explosion protection type		ATEX, IECEx Ex db IIC T6. Ex tb IIIC T85°C			
		CSA (also available in USA) Ex db IIC T6. Class I, Zone 1, AEx db IIC T6. Class II, Division 1, Groups E, F and G, Ex tb IIIC T85°C. Zone21, AEx tb IIIC T85°C			
		KCs Ex d IIC T6			
		CCC Ex d IIC T6 Gb. Ex tD A21 IP67 T85°C			
Operating temp.		-20 to +60 °C (-4 to +140 °F)			
Conduit entry		YT-870: ¾ NPT, G ¾, M20x1.5P, ½ NPT YT-875: ¾ NPT			
Terminal		YT-870D, 875D = 12 points YT-870M, 870P, 875M, 875P = 8 points			
Mounting bracket		NAMUR VDI / VDE 3845, ISO 5211			
Material and weight	YT-870	Aluminium diecasting: 1.5 kg (3.3 lb)			
	YT-875	Stainless steel 316: 3.5 kg (7.7 lb)			



YT-870

YT-875



Product code

YT-870 - M - 1 - 0 - 0 -

Model

YT-870 = Flameproof aluminium
YT-875 = Flameproof stainless steel

Switching type

M = Mechanical type (2 x SPDT)
P = Inductive proximity type¹
D = Mechanical type (2 x DPDT)

Conduit

1 = ¾ NPT
2 = G ¾ (YT-870 only,
NA for CCC)
3 = M20x1.5P (YT-870 only)
4 = ½ NPT (YT-870 only)

Bracket type

0 = None
1 = ST-1 (30*80,H20)
2 = ST-2 (30*80,H30)
3 = ST-3 (30*130,H30)
4 = ST-4 (30*130,H50)

Option

0 = None
1 = SPTM²

Explosion protection

Blank = ATEX, IECEx, CSA, KCs
Z = CCC

Notes:

1. Standard type is PSN17-5DNU (Autonics, NPN type), but PSN17-5DPU (Autonics, PNP) and NJ2-V3-N (P&F, NC type) are also available. 2. Only M of switching type is available.

Dimensions: mm (Inches °)

