



SY027 PULSE SPLITTER WITH ISOLATED OUTPUTS PLUS PULSE STRETCH



- ⦿ Converts 1 pulse input to 2 isolated Solid state relay outputs
- ⦿ Widely used in BMS systems.
- ⦿ Mounts on standard Din rail

The SY027 PSO has been designed for applications where a pulse is required to be isolated, re-powered and repeated on two separate outputs. Widely used in building management systems and water leakage detection applications. The unit works with inputs from reed switch signals, with automatic de-bounce, as well as with high frequency pulses.

For meters generating short pulses, which makes them too fast for your PLC/BMS to capture, a stretch version is available which increases the length of the output pulses by a user adjustable amount. As supplied the pulses are stretched by 30msec. The adjustment is by means of the span pot..

For Systems where there is no power or when submersion in water is likely see our SY037

Specifications

Parameter	Min	Typ	Max
Supply voltage (V dc)	7	24	30
(V ac)	240 / 120		
Input options	OPTO Coupler, reed switch, open collector, TTL pulse		
Relay Isolation Voltage (Vrms)	1500	-	-
Relay switching voltage (at 110mA)			280V
Relay on state resistance (R)			35
Frequency range (Hz)	0		1k
Stretch version adjustment range	0	30msec	100msec
EMC	Tested to BE EN 61000-4-21:2011		
Operating temp.(C)	-40		85
Storage temperature (C)	-55		125
Case	Grey flame resistant polyamide. H (on rail) = 72.5mm, W = 18mm, D = 62mm. For use with asymmetric rails EN50035 (DIN46277-1) or symmetric EN50022 (DIN46277-3) .		
Connections	Rising Clamp terminals with 3.5 x 2.5mm apertures		

*Rev. 17 March 2014