

MULTI VOLTAGE, DUTY CHANGEOVER RELAY, RANGE SELECTABLE

TYPES: UNI-1B (spco) & UNI-4B (4pco)

FEATURES

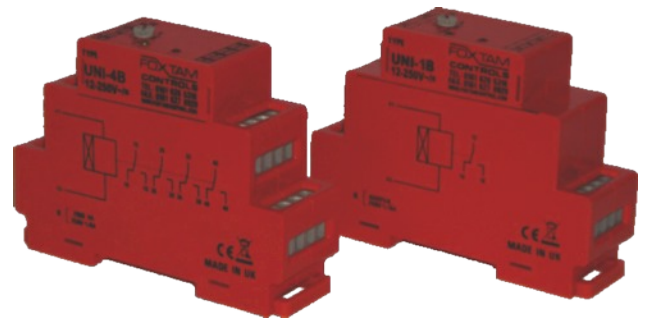
- Din rail mounted
- Modern modular design
- Width 27mm (1.5 modules)
- Unique product
- SPCO & unique 4PCO versions
- Multi voltage 12-250VACDC
- Range selectable
- 10 second proving function
- Daily, weekly, fortnightly, monthly changeover
- Dual LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

An attractive modern designed "duty changeover relay" in a din rail mounted modular style housing of 1.5 modules width (27mm). A selector switch is provided to select one of four different fixed time ranges from 1 day to 1 month, (there is also a 10 second "circuit" proving setting). This is an ideal simple product to achieve a daily, weekly, fortnightly or monthly duty changeover on pumps, fans and similar equipment especially in the HVAC and pumping industry. A green supply on LED is featured along with a red LED to indicate relay output status. All terminal details and the function information along with the CE mark is clearly marked on the sides of the housing.

TIMING FUNCTION

Initiated by supply on terminals A1 & A2. Timing commences to energise relay contacts (pause first) and then times to de-energise relay contacts. This cycle continues so long as the supply is connected. The time period on both energisation and de-energisation (T1 & T2) are both fixed. If the supply is removed at any point within the cycle any remaining time will be cancelled and if the relay contacts are energised they will de-energise.



SPECIFICATIONS

Timing:

Time ranges (fixed):	1 day, 7 days, 14 days, 30 days
Proving function (fixed):	10 sec
Repeat accuracy:	± 0.5% of set value
Reset time:	Max 100mSec

Relay outputs:

Output contacts:	UNI-1B 16Amps/250V AC1 UNI-4B 8Amps/250V AC1
Max breaking capacity:	UNI-1B 4000VA UNI-4B 2000VA

Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

Supply voltage:

Supply voltage:	12-250VACDC
Max consumption:	5mA
Insulation:	2.5KV 50Hz impulse

General:

Operating temperature:	-20°C to +40°C
Storage temperature:	-20°C to +60°C
Max cable size:	2.5mm
CE marked:	Yes
In accordance with:	EN61000-6-1: 2007 EN61000-6-3: 2007 EN61010-1: 2002
Housing material:	Thermo plastic ABS (DIN7728), auto extinguishable according to UL94V0

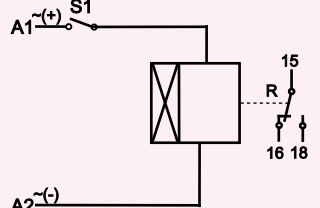
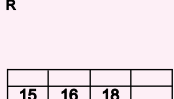
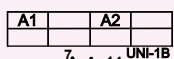
TIME RANGES

Position 1:	10 secs fixed	Position 4:	14 days fixed
Position 2:	1 day fixed	Position 5:	30 days fixed
Position 3:	7 days fixed		

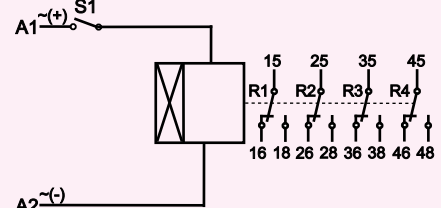
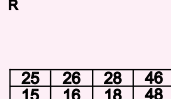
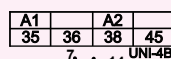
FUNCTION



CONNECTIONS



UNI-1B



UNI-4B