

ON & OFF DELAY TIMER RELAYS

STR-6DN / STR-6DF

Multi-range timing for industrial, residential and plant applications.



STR-6DN

ON DELAY TIMER



STR-6DF

OFF DELAY TIMER

24-240 V AC/DC

MULTI-RANGE / DIN-RAIL MOUNTING

50/60 Hz

ON & OFF DELAY TIMER RELAYS

STR-6DN / STR-6DF

Adjustable time control for industrial, residential and plant applications.

6 ranges

10 seconds to 100 hours

5 A / 250 V AC

Resistive contact rating

DIN rail

Terminal connection

TECHNICAL SPECIFICATIONS

Operating voltage: STR-6DN	24-240 V AC/DC
Operating voltage: STR-6DF	24-240 V AC/DC
Operating frequency / power	50/60 Hz / <4 VA
Operating temperature	-20°C to +55°C
Selectable time ranges	10 s, 100 s, 10 min, 100 min, 10 h, 100 h
Display	ON LED and output (RLY) LED
Connection / mounting	Terminal connection / DIN rail
Weight / operating altitude	Maximum 120 g / <2,000 m
Contact rating	5 A / 250 V AC, resistive load
Conductor cross-section	2.5 mm ² ; 1.5 mm ² for STR-6DF

TIME SETTINGS

Time Steps: selects the time range.
t: sets the time value within that range.

75-minute example: select 100 min and set t between 7 and 8.

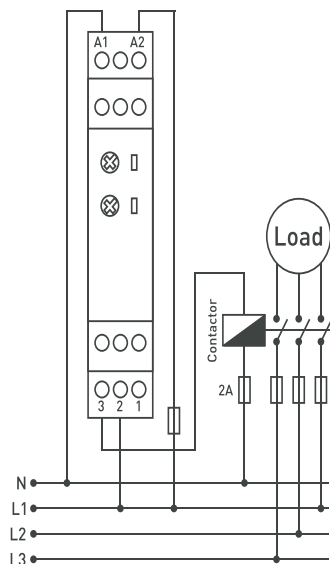
STAGE VALUES

A / B	10 s / 100 s
C / D	10 min / 100 min
E / F	10 h / 100 h

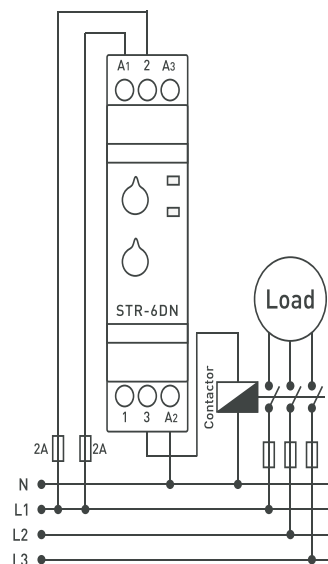
Fine adjustment for 25 hours: first select 10 s and set t between 2 and 3. Energise and measure 2.5 seconds; readjust and recheck as needed. Then select the 100 h range.

Wiring, dimensions & operation

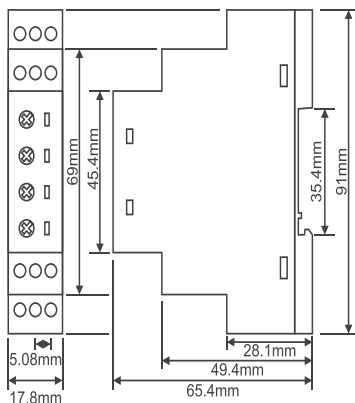
STR-6DF / CONNECTION



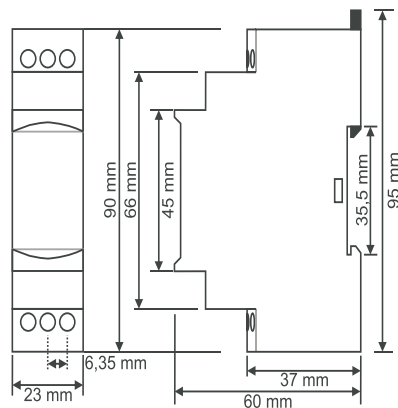
STR-6DN / CONNECTION



STR-6DF / DIMENSIONS (mm)



STR-6DN / DIMENSIONS (mm)



ON-DELAY OPERATING SEQUENCE

After setting the time, apply power. The LED flashes during timing and contact 1 (NC) is active. When the set time ends, the relay LED turns on and contact 3 (NO) becomes active. The device holds this state until power is removed.



MAINTENANCE & USE

Isolate and disconnect before cleaning with a swab. Avoid conductive or chemical cleaning agents and ensure the device is dry afterward. Do not use in wet conditions. Provide an accessible switch and circuit breaker, labelled as the device isolation means. Connect and operate according to the supplied diagrams.