

Terminal
Protection
to IP20

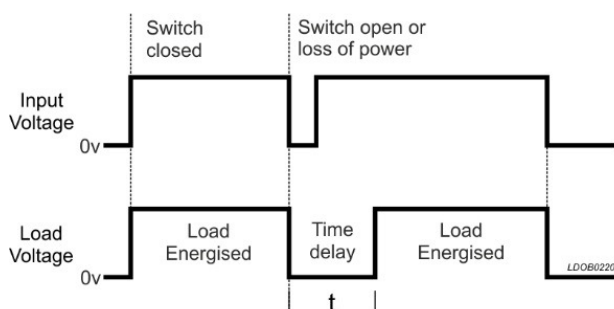


Dims: to DIN
43880
W. 17.5mm

- ❑ Protects compressor in refrigeration, air conditioning and heat pumps against premature cycling
- ❑ Prevents re-starting of compressor until time delay "lockout" period has completed
- ❑ Works with anticipator thermostats
- ❑ Two fixed time delays to choose from - 3 or 5 minutes* (factory set)
- ❑ Simple 2-wire connection
- ❑ Solid state control with 1.5A max. switching capacity
- ❑ Designed for 24VAC low voltage control
- ❑ Easy to install
- ❑ Compact dimensions
- ❑ DIN Rail or Surface mounting



• FUNCTION DIAGRAM



• INSTALLATION

- BEFORE INSTALLATION, ISOLATE ALL SUPPLIES
- Connect the unit as per the diagram below.
- The timer should be connected so that it is in series with the Thermostat and Contactor.



Installation work must be carried out by qualified personnel.

Applying power/operation

- Apply power to the application and providing the thermostat is closed, the contactor will energise and load (compressor) will operate.
- As soon as the thermostat opens, the contactor and load will de-energise. The time delay period "t" will now commence.
- Even if the thermostat closes again, the time delay period must have finished before the contactor/load are energised again.

Troubleshooting

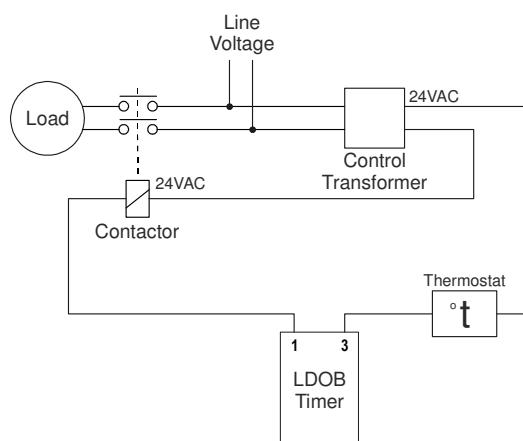
- Check all connections are good to the timer and external devices.
- If the contactor/load fails to operate, ensure the voltage is within the operating limits as specified in the technical specification on the right.
- Ensure that the time delay period has completed.

• TECHNICAL SPECIFICATION

Voltage rating Un:	24VAC
Frequency range:	48 – 63Hz
Supply variation:	75 – 125% Un
Time delay (t)*:	3 minutes (Model LDOB-3) 5 minutes (Model LDOB-5)
Time delay tolerance:	± 20%
Repeat accuracy:	± 5% at constant conditions
Reset time:	60ms
Ambient temp:	-20 to +60°C
Relative humidity:	+95%
Output:	Solid state
Load current rating:	Min. 40mA Max. 1.5A
Load type:	Inductive or Resistive
Housing:	Grey flame retardant UL94
Weight:	<45g
Mounting option:	On to 35mm symmetric DIN rail to BS EN 60715 or direct surface mounting via 2 x M3.5 or 4BA screws using the black clips provided on the rear of the unit.
Terminal conductor size:	≤ 2 x 2.5mm ² solid or stranded
Approvals:	Conforms to: IEC 60664-1, IEC 60947-1, UL508 CE, UKCA and RoHS Compliant.

* Model to be specified when ordering

• CONNECTION DIAGRAM



• DIMENSIONS

