

Control unit for star-delta starters

New



USD

- **The USD control unit is a microprocessor device for the control of star-delta starters for electric motors.**
- The use of this device considerably simplifies and reduces the starter wiring. In fact the starting cycle, the necessary timers and the motor thermal cutout are all integrated in the device. The control inputs (forward – stop – reverse – alarm reset) are optoinsulated and can be connected directly to a PLC or, more simply, to push buttons.
- To protect the motor it is possible to use thermal relays or PTC sensors inserted in the motor winding heads. In case of intervention of a thermal cutout, the motor stops and the display shows the type of alarm. The remote display and resetting of any alarm is also possible.
- With the relay outputs provided in the unit, the power contactors for the motor start can be operated directly.

GENERAL CHARACTERISTICS

- Power supply 230/400 50/60 HZ
- Optoinsulated inputs 24 volt DC (pnp – npn) forward – stop – backward – reset
- Relay outputs 3A 400 Volt

R1 star	R5 delta reverse
R2 line forward	R6 thermal relay electric reset
R3 delta forward	R7 motor cutout alarm
R4 line reverse	
- Starting times
 - Star forward time from 0.5 sec to 60 sec
 - Star reverse time from 0.5 sec to 60 sec
 - Star-delta switching time from 20 msec to 300 msec
- This control unit can be installed on the motor or included in the control panel.