

Application:

The Pump Control Module (PCM) provides submersible pump control. This module monitors the current used by the pump and differentiates between load and no load currents. Two modes of operation apply. Manual mode will only switch the pump off and wait for manual switch intervention for starting the pump. Automatic mode will do full control of the pump operation by switching the pump on and off based on the level switch inputs and selected pause timer.

An adaptive control algorithm is used to vary the pause and run cycle times for effective automatic pump control. Long run times will cause a short pause time. Short run times will cause long pause times.

The level control inputs are wired optional using external high and low level contacts.

Features:

- The PCM module is DIN rail or rear panel mounted
- One CT covers four selectable ranges with 1000:1 CT supplied
- Adjustable snooze current level with LED indication of above or below snooze setting.
- Six snooze curve timing selections
- Manual mode and automatic mode selectable
- 4-20mA output for motor current monitoring with LED indication when active
- LED indications for Power, Run, Pause, Alarm
- Output relay for Run and Alarm
- High and low limit inputs for fluid level

Easy Installation:

- Mount the PCM close to the point of connection
- Connect the voltage, CT and other I/O as recommended in the connection diagram
- Use the setup mode described in the manual to prepare the module

Specifications:

Auxiliary supply:

- 110Vac 50/60Hz 3VA
- 240Vac 50/60Hz 3VA
- 24 - 48Vdc
- 415V/440V

Motor current:

- Range 0 : 1 – 5A
- Range 1 : 5 – 25A
- Range 2 : 25 – 100A
- Range 3 : 100 – 250A

CT ratio:

Operating temp:

Process output:

Output relays:

- 1000:1
- 0 – 50° Celsius
- 4 – 20mA into 250Ω
- 1A 250Vac or 1A 30Vdc (Max 100VA)
- Use voltage free contacts
- 100W x 75H x 110D
- High impact resistant polycarbonate

Inputs:

Dimensions:

Material:

Degree of protection:

Mounting:

Terminals:

Weight:

- IP20
- DIN rail and screw mount
- Cage screw terminals
- 550gms

Ordering Information:

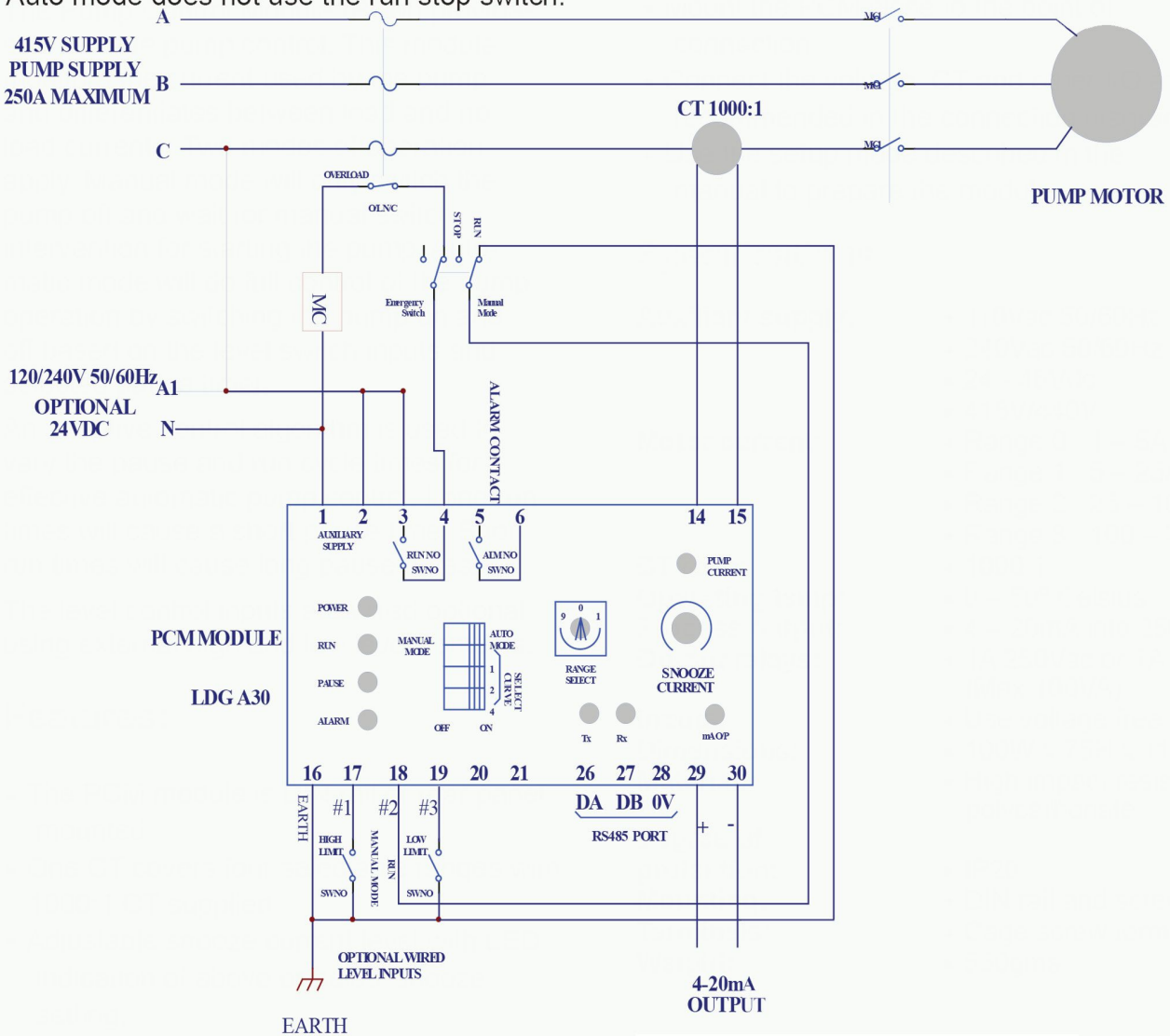
A00960
A00973
A01232
A01273

110VAC PCM module
24-48VDC PCM module
415-440V PCM module
110VAC (NO CT) PCM module



CONNECTION DIAGRAM:

Auto mode does not use the run stop switch.



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