



Pump Control Module - PCM

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:	<ul style="list-style-type: none">• 110Vac 50/60Hz 3VA• 240Vac 50/60Hz 3VA• 24 - 48Vdc• 415V/440V
Motor current:	<ul style="list-style-type: none">• Range 0 : 1 – 5A• Range 1 : 5 – 25A• Range 2 : 25 – 100A• Range 3 : 100 – 250A
CT ratio:	<ul style="list-style-type: none">• 1000:1
Operating temp:	<ul style="list-style-type: none">• 0 – 50° Celsius
Process output:	<ul style="list-style-type: none">• 4 – 20mA into 250Ω
Output relays:	<ul style="list-style-type: none">• 1A 250Vac or 1A 30Vdc (Max 100VA)• Use voltage free contacts
Inputs:	<ul style="list-style-type: none">• 100W x 75H x 110D
Dimensions:	<ul style="list-style-type: none">• High impact resistant polycarbonate
Material:	
Degree of protection:	<ul style="list-style-type: none">• IP20
Mounting:	<ul style="list-style-type: none">• DIN rail and screw mount
Terminals:	<ul style="list-style-type: none">• Cage screw terminals
Weight:	<ul style="list-style-type: none">• 550gms

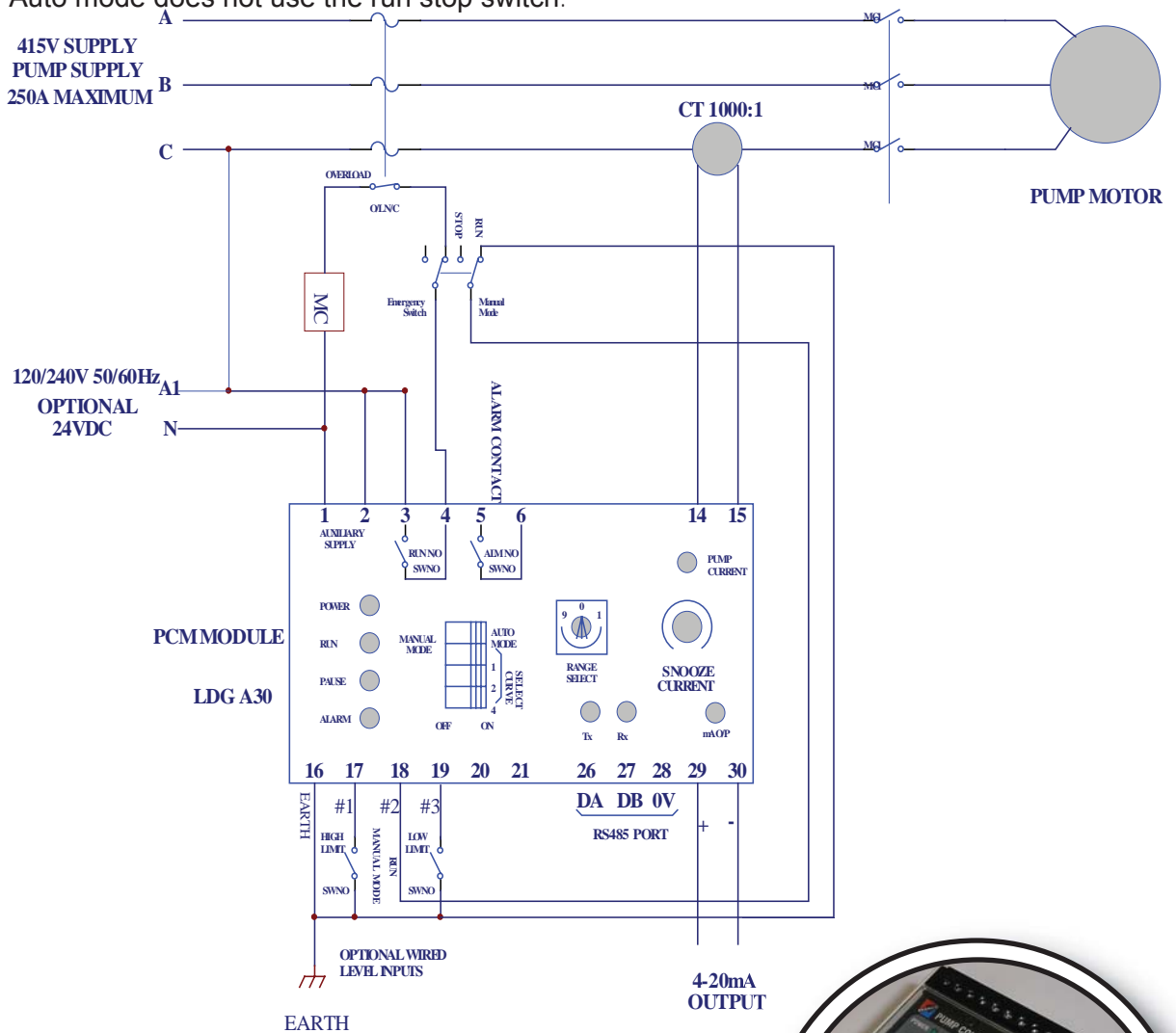
Ordering Information:

A00960	110VAC PCM module
A00973	24-48VDC PCM module
A01232	415-440V PCM module
A01273	110VAC (NO CT) PCM module

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CONNECTION DIAGRAM:

Auto mode does not use the run stop switch.



Bramco Contacts:

19 Aruma Place
Cardiff, NSW 2285
AUSTRALIA

Telephone +61 2 4954 4721
Email sales@bramco.com.au
www.bramco.com.au

