

Irrigation Pump Diagnostic Centres

Auto/manual diagnostic centres, weatherproof

These models provide automatic or manual control of an engine driven irrigation pump. The control system is housed in a lockable, weatherproof (IP55) enclosure.

The panel uses the Murphy EMS microprocessor based control system. Automatic starting and stopping may be triggered by remote contacts (radio controls, float switches, push-buttons, etc), low pump pressure or real time clock. Front facia push buttons are provided for the manual control of pump start, pump stop, and for the increase/decrease of target pump pressure. The controller automatically adjusts engine speed (e.g. via a Murphy Throttle controller, not supplied) in order to maintain the target pump discharge pressure.

The system includes automatic fault shutdown and indication for:-

- Engine low oil pressure
- Engine high coolant temperature
- Low pump pressure
- High pump pressure
- Engine overspeed
- Emergency stop

The front facia liquid crystal display provides indication of:-

- Engine oil pressure
- Engine coolant temperature
- Engine speed
- Hours run
- Battery volts
- Date/time
- Target pump pressure
- Actual pump pressure
- 5 service reminders

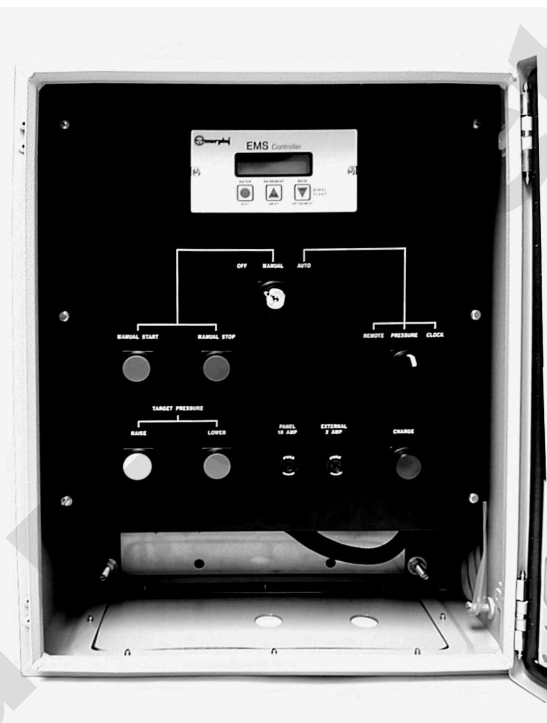
The panel is supplied complete with engine oil pressure and coolant temperature senders, magnetic pickup speed sensor and twin screened cable, pump pressure 4-20mA transducer, and slave relays for engine fuel, starter and preheat. For dirty water applications (e.g. slurry pumping), the pressure transducer is supplied with a stainless steel diaphragm. Versions are available for use with 12 or 24 VDC battery supplies.

Non weatherproof versions

Specification is similar to the above, but fitted in a standard steel, non-lockable case, typically for use within a weatherproof, acoustic enclosure.

Warranty

A two year limited warranty on materials and workmanship is given with this Murphy product. Details are available on request and are packed with each unit.



*weatherproof version shown

How to Order

Model number	Lockable and weather-proof to IP55	Clean (C) or Dirty (D) water	Supply volts (VDC)
B5010	yes	C	12
B6183	yes	C	24
B4518	yes	D	12
B6184	yes	D	24
B2248	no	C	12
B3485	no	C	24

For details of your nearest stockist, please contact our UK sales office:-

tel: +44 1722 410055
fax: +44 1722 410088
email: sales@fwmurphy.co.uk

Accessories:

AT67207 engine throttle controller
RP series push/pull DC solenoids



FWMurphy

PO Box 470248
Tulsa, Oklahoma 74147, USA
tel: (918) 627 3550
fax: (918) 664 6146
email: sales@fwmurphy.com
web: www.fwmurphy.com



CONTROL SYSTEMS AND SERVICES DIVISION
PO Box 1819, Rosenberg, Texas 77471, USA
tel: (281) 342 0297
fax: (281) 341 6006
email: sales@fwmurphy.com

MURPHY DE MEXICO S.A. DE C.V.
Blvd. Antonio Rocha Cordero 300, Fracción del
Aguaje San Luis Potosí, S.L.P. México 78384
tel: + 52 48 206264
fax: + 52 48 206336
email: ventasmex@murphymex.com.mx
web: www.murphymex.com.mx

FRANK W. MURPHY LTD.
Church Rd, Laverstock, Salisbury, SP1 1QZ, UK
tel: +44 1722 410055
fax: +44 1722 410088
email: sales@fwmurphy.co.uk
web: www.fwmurphy.co.uk

MURPHY SWITCH OF CALIFORNIA
41343 12th Street West,
Palmdale, CA 93551-1442, USA
tel: (661) 272 4700
fax: (661) 947 7570
email: sales@murphyswitch.com
web: www.murphyswitch.com

MACQUARRIE CORPORATION
1620 Hume Highway,
Campbellfield, Victoria 3061, Australia
tel: +61 3 9358 5555
fax: +61 3 9358 5558
email: murphy@macquarrie.com.au