



ICON Series controller BIA-IPROTECT for the protection and control of single phase pumps up to 2.2 KW. Especially suited for borehole pumps, the control is also suitable for drainage, transfer and boosting in single pump applications.

The IPROTECT is suitable for "3 wire" PSC motors where the remote capacitor can be mounted inside the IPROTECT as well as 2 wire PSC motors with internal capacitor commonly found in surface mounted and submersible drainage single-phase pumps.

### 2 YEAR iCON Series Control Warranty

- IP54 engineered plastic enclosure
- Intelligent dynamic UV resistant LCD displays pump running information
- Intelligent push button pump calibration for protection from dry run and overload
- Function switch for drainage, transfer and boosting
- Auto, manual switching
- Low voltage control
- Inputs can be float switches, pressure switch or probes
- Quick Guides for bore pump protection

#### Protections

- Dry run protection without need for a float switch or probe (restart attempt every 30 min.)
- Overload protection (restart attempt every 30 min.)
- Pump stalled
- Short circuit
- Under/Over voltage (restart attempt every 5 min.)
- Repeated starts (more than 5 per minute)
- Anti-seize run timer (drainage) 3 secs every 240 hours

#### Installation

- Working temperature -25 to +55 deg C
- Working humidity 20% to 90% relative humidity non-condensing
- Degree of protection IP54
- Unit dimensions (L x W x H), kg 25.0 x 19.7 x 11.45 cm, 1.6 kg

#### RS485 technical data

- Physical Interface RS485 Bus Interface: asynchronous semi duplex
- Baud rate 1200,2400,4800,9600 bps (default 9600bps)
- Protocol type MODBUS protocol (RTU)