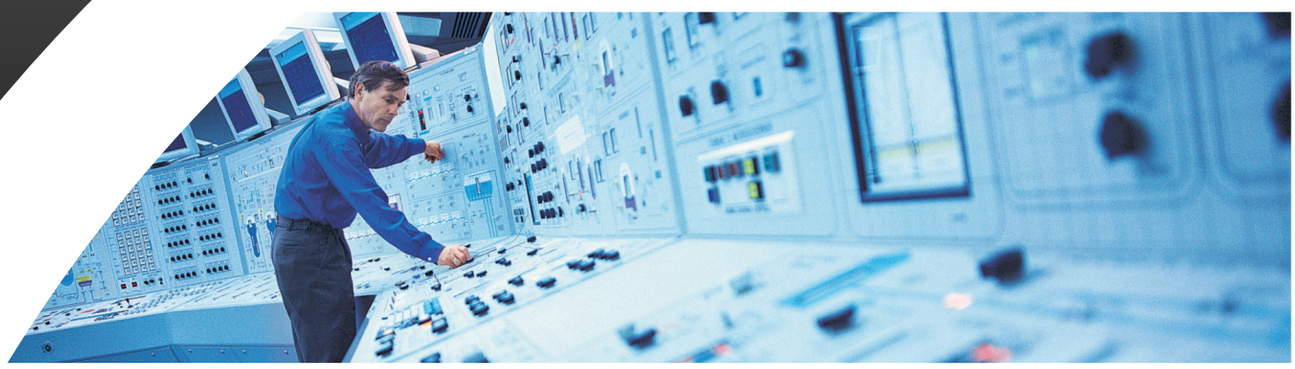
BIANCO iCON SERIESCONTROLS

iCON Series Controls



BIANCO iCON SERIES

BIANCO iCON SERIESPUMPS

BIANCO iCON SERIESDRIVES

BIANCO iCON SERIESCONTROLS

BIANCO iCON SERIESFILTRATION

BIANCO PUMPZ

iCON Series Controls

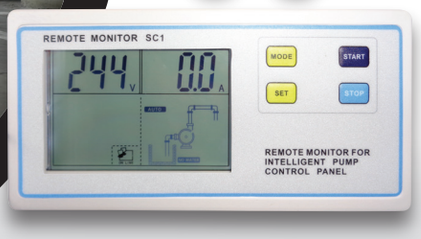
BIANCO iCON SERIES CONTROLS

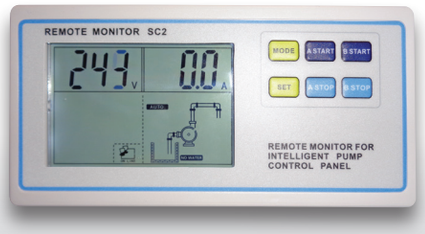
Introducing the Bianco iCON range of intelligent controllers.

The iCON range of intelligent controllers are suitable for installation in various Industrial and Domestic applications. Controllers are generally used in pumping applications where control of single or multiple pumps are required. Settings for drainage, pressure boosting and transfer applications are easily accomplished by function switches. The iCON intelligent controller is user friendly with many features for controlling your pumps, protecting your pumps and also reporting of faults with real time data and historical data retention. Control of your pumps is also possible from a slave controller which is included with each iCON intelligent controller as standard.

The iCON controller is supplied standard with RS485 communication interface for easy integration into your Building Management System.

The iCON controller enclosure has an ingress protection rating IP54 with an intelligent dynamic LCD display for pump running information and is suitable for installation both indoors and outdoors. Automatic calibration of the iCON intelligent controller is easily completed to set your pump thermal overload by means of push buttons. Optional lockable enclosure available as an accessory to prevent access to pump controller or allow fitting of motor capacitor(s).





iCON SERIES CONTROL 2 YEAR WARRANTY

Email Aust: ipsales@whiteint.com.au

Email NZ: sales@whiteint.co.nz

iCON Series Other Products Available

Packaged Pump Stations

iCON series Packaged Pump Stations also available.

Available sizes:
600L, 900L, 1200L, 2700L, 3750L, 4800L, 6500L

Float Switch

- IECEX Approved
- available in 5m, 10m, 20m

Zenit Pumps

GR BLUE Professional Series Pumps
- IECEX Approved
- supplied with or without floats
- Single Phase and Three Phase available
- 2 Year Warranty

ZENIT water technology

BIANCO iCON SERIES TANKS

Email Aust: ipsales@whiteint.com.au **Email NZ: sales@whiteint.co.nz**

iCON Series Controls | SPECIFICATIONS

iCON BIA-SPC Single Pump Controller

Available in single phase up to 2.2kW and three phase up to 15kW.

FEATURES

- IP54 engineered plastic enclosure
- Intelligent real time LCD displays pump running information
- Intelligent push button pump overload calibration prompts for uncompleted calibration
- Function switch setting for drainage, pressure boosting or transfer applications
- Provision for up to 4 float switches/probes
- Auto, manual switching
- Visual and audible alarms
- Adjustable time delay for audible alarm
- Low voltage control circuit
- RS485 communication interface (BMS, MODBUS)
- Pump accumulated run time display
- Last five pump faults logged into memory
- Slave controller included
- Control box contains MCB and DOL contactor
- Provision for combinations of multiple device inputs and outputs for use with:
    - Float switches - Pump with no float switch
    - High level float - Pump with float switch
    - Level probes
    - Pressure switch
    - Hot water circulator system
    - Pressure transducer (SPC1-22S only)
    - External device alarms.

PROTECTION

- Pump stalled
- Overload (restart attempt every 30 min. adj.)
- Short circuit
- Over voltage (restart attempt every 5 min. adj.)
- Under voltage (restart attempt every 5 min. adj.)
- Repeated starts (more than 5 per minute)
- Open phase (3 phase only)
- Phase reversal (3 phase only)
- Three phase imbalance (3 phase only)
- Over temperature (where pumps are fitted with micro-therms)
- Anti-seize run timer (3sec every 240 hrs, adjustable)
- Dry run protection without need for a float switch or liquid level probe (restart attempt every 30 min. adj.)

Models available:

BIA-SPC1-22 (240V, 2.2kW)
BIA-SPC1-22S (240V, 2.2kW)
BIA-SPC3-40 (415V, 4kW)
BIA-SPC3-110 (415V, 11kW)
BIA-SPC3-150 (415V, 15kW)

iCON BIA-DPC Dual Pump Controller

Available in single phase up to 2.2kW and three phase up to 15kW.

FEATURES

- IP54 engineered plastic enclosure
- Intelligent real time LCD displays pump running information
- Intelligent push button pump overload calibration prompts for uncompleted calibration
- Function switch setting for drainage, pressure boosting or transfer applications
- Provision for up to 4 float switches/probes
- Auto, manual switching
- Visual and audible alarms
- Adjustable time delay for audible alarm
- Low voltage control circuit
- RS485 communication interface (BMS, MODBUS)
- Pump accumulated run time display
- Last five pump faults logged into memory
- Slave controller included
- Control box contains MCB and DOL contactor
- Provision for combinations of multiple device inputs and outputs for use with:
    - Float switches - Pumps with no float switch
    - High level float - Pumps with float switch
    - Level probes
    - Pressure switches
    - Hot water circulator system
    - Pressure transducer (DPC1-22S only)
    - External device alarms.
    - Alternate pump starts, Automatic duty pump cycling and load sharing.

PROTECTION

- Pump stalled
- Overload (restart attempt every 30 min. adj.)
- Short circuit
- Over voltage (restart attempt every 5 min. adj.)
- Under voltage (restart attempt every 5 min. adj.)
- Repeated starts (more than 5 per minute)
- Open phase (3 phase only)
- Phase reversal (3 phase only)
- Three phase imbalance (3 phase only)
- Over temperature (where pumps are fitted with micro-therms)
- Anti-seize run timer (3sec every 240 hrs, adjustable)
- Dry run protection without need for a float switch or liquid level probe (restart attempt every 30 min. adj.)

Models available:

BIA-DPC1-22 (240V, 2.2kW)
BIA-DPC1-22S (240V, 2.2kW)
BIA-DPC3-40 (415V, 4kW)
BIA-DPC3-110 (415V, 11kW)
BIA-DPC3-150 (415V, 15kW)

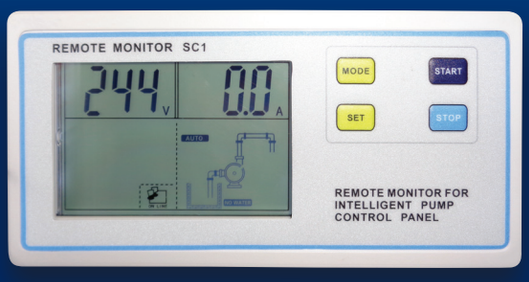
iCON BIA-iALARM Liquid Level Alarm

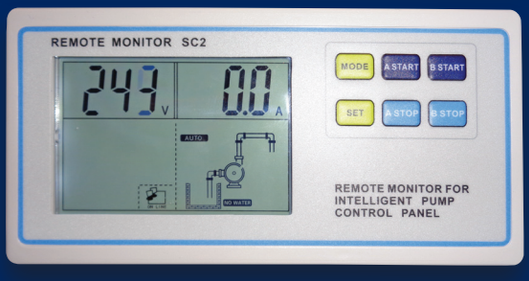
FEATURES

- 240V, single phase power supply. 10A rated.
- Safe 12V low voltage for float switch
- MODE button to switch easily between high level and low level warning.
- PULSE button to switch easily between continuous and intermittent audible warning. In intermittent mode, the audible alarm will sound initially, then every 5 minutes.
- MUTE button to silence the alarm. Visual alarm remains on until alarm situation is rectified.
- 10m float switch complete with counter weight supplied and wired.
- Liquid level alarm can be mounted up to 50m from the tank using low voltage cabling (optional extra)
- IP54

Applications

Stormwater	Rainwater
Sewage	Effluent
Grey Water	





Slave Controller

FEATURES

- Slave Controller (SC) unit included with each pump controller. Uses USB cable or RS485 (STP) cable to communicate up to 1200m from pump controller. All pump control functions of master unit available through the slave controller except pump calibration and parameter setting.

BIANCO PUMPZ

BIANCO iCON SERIES TANKS

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BIANCO PUMPZ