xylem
Let's Solve Water

NEW Advanced Features!

Technologic® IPC

VARIABLE SPEED CONTROLLER

BUILT IN THE USA
ENGINEERED, ASSEMBLED & TESTED

Bell & Gossett
a xylem brand

D-605H

Technologic IPC
Variable Speed Controller

The new **Technologic IPC** variable speed controller brings the latest in pump drive technology and programming. The drive and interface are designed to give you advanced capabilities that help you effectively and efficiently operate your system. It provides variable speed pumping to control speed, pressure, flow and level over a wide range of hydronic system applications.

Optimized for Pumps

- Wide range of standard and permanent magnet motors with power up to 600 hp/450 kW
- Developed by pump experts and optimized for controlling pumps
- Pump and system protection parameters designed specifically around hydronic systems

Helping to Improve Your Performance

- **NEW** – Multi-pump configuration for up to four (4) pumps – no need for PLC
- **NEW** – System redundancy with multi-master control in case of drive failure
- **NEW** – Single sensor for multi-pump control (fixed master)
- Speed lag control enables you to control one (1) variable speed pump with up to two (2) fixed speed lag pumps triggered by relays
- Automatic energy optimization regulates output voltage to improve system efficiency as loads change
- Built-in pump protection for end of curve, flow compensation and no/ low flow
- **NEW** – All zone fail custom control
- Bypass panel option for across-the-line motor operation

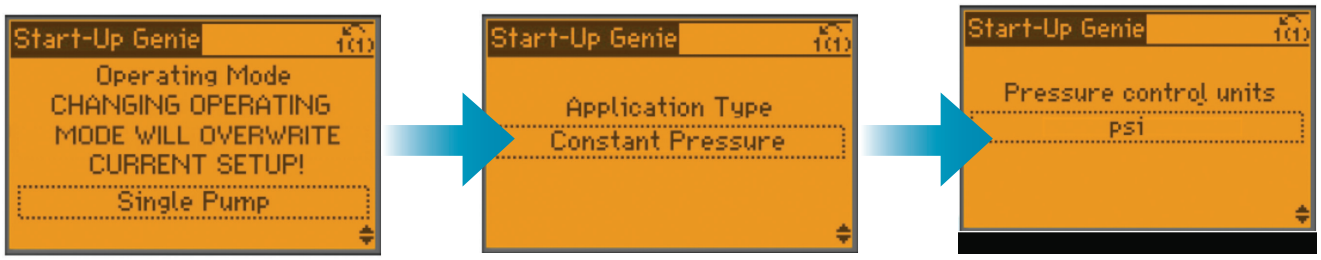
Standard for every drive

- Wide range of voltage and enclosure options
- True 208V coverage
- Dedicated single-phase input
- Remote commissioning and monitoring with USB connectivity and software
- In-panel or handheld keypad with backlit display
- Alarm Log for last 5 alarms and maintenance events
- EMC/RFI filters and Dual DC-link reactors to reduce drive noise emissions and interference
- I/O expansion cards, factory installed or field configured

It's an easy start with the Technologic IPC Genie

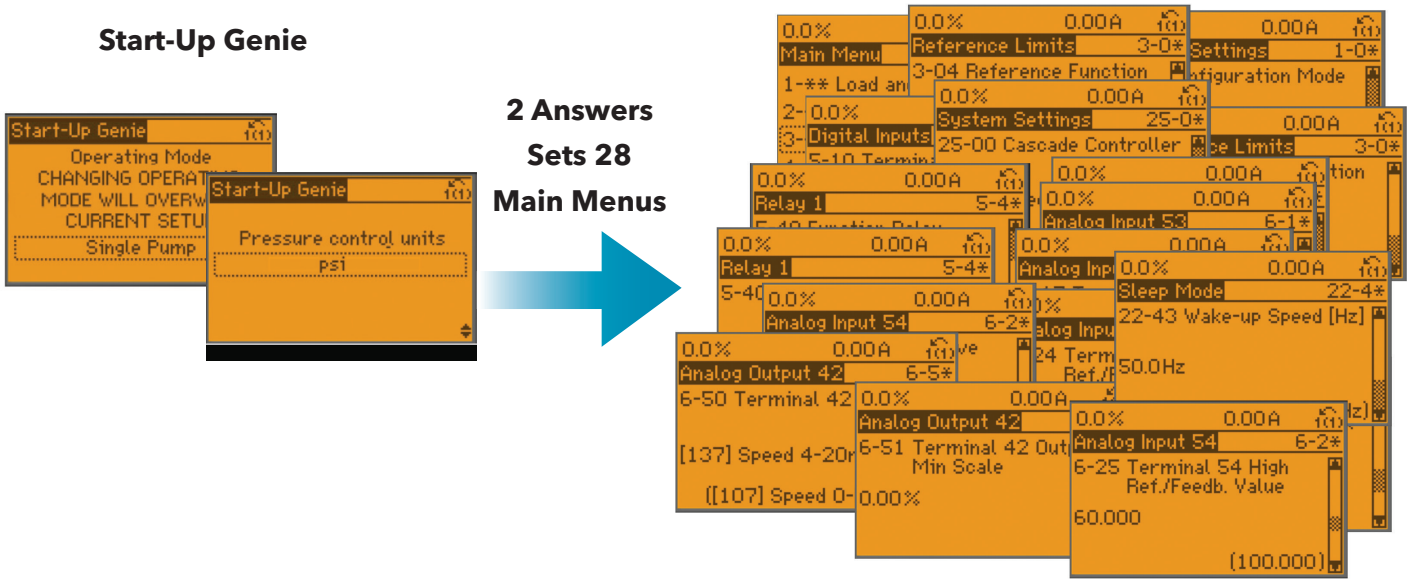
The Technologic IPC Genie quickly and easily guides you through setup in as little as 15 minutes. Asking for only the required parameters, the Genie will automatically configure your set up to the optimal settings for the specific application - eliminating the guesswork in set up.

- **NEW** – Easier start-up and programming with Start-Up Genie
- **NEW** – Two wire multi-pump connection for faster installation
- **NEW** – Control up to 4 zones independently with single drive
- Hand on, Off, and Auto-On buttons available for easy pump operation at the keypad. No toggling between local and remote operation



Save time with the Genie start-up. The Genie programs seamlessly to multiple set-ups!

Start-Up Genie



Technologic IPC Specifications

Ratings and Enclosures

- 208/230V, 1.5 – 60 hp wall or motor mounted
- 460/575V, 1.5 – 125 hp wall or motor mounted
- 460/575V, 150 – 600 hp wall or base mounted
- Built-in BACnet, Modbus RTU, N2 Metasys FLN
- 2 analog inputs, 1 analog output
- 4 digital inputs, 2 digital outputs
- 2 programmable relays
- Mains disconnect with optional fuses
- Optional bypass for cross-the-line operation (UL TYPE 1 and UL TYPE 12 only)
- UL TYPE 1, UL TYPE 12, 3R and 4X enclosures
- Ambient temperature 14°F – 113°F (-10°C - 45°C). Higher temperatures can be achieved by derating the output amperage of the drive 10% for up to 122°F (50°C).
- At altitudes from 0 to 1000 meters (0 to 3300 feet) nameplate rated current is available. Derate for altitudes above 1000 (3300 feet) with a maximum operating altitude of 3000 meters (9900 feet). (Consult factory for applications above 3000 meters (9900 feet)).
- Relative humidity lower than 95% without condensation

Electrical Characteristics

INPUT POWER

single-phase 200 V to 240 V ±10%
three-phase 200 V to 240 V ±10%
three-phase 380 V to 480 V ±10%
three-phase 525 V to 600 V ±10%
Frequency 50 or 60 Hz, ±2Hz

OUTPUT POWER

Available from 1.5 up to 600 hp

We value your feedback. Please take our 3 question survey at **bellgossett.com/survey** to let us know how we are doing.

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