

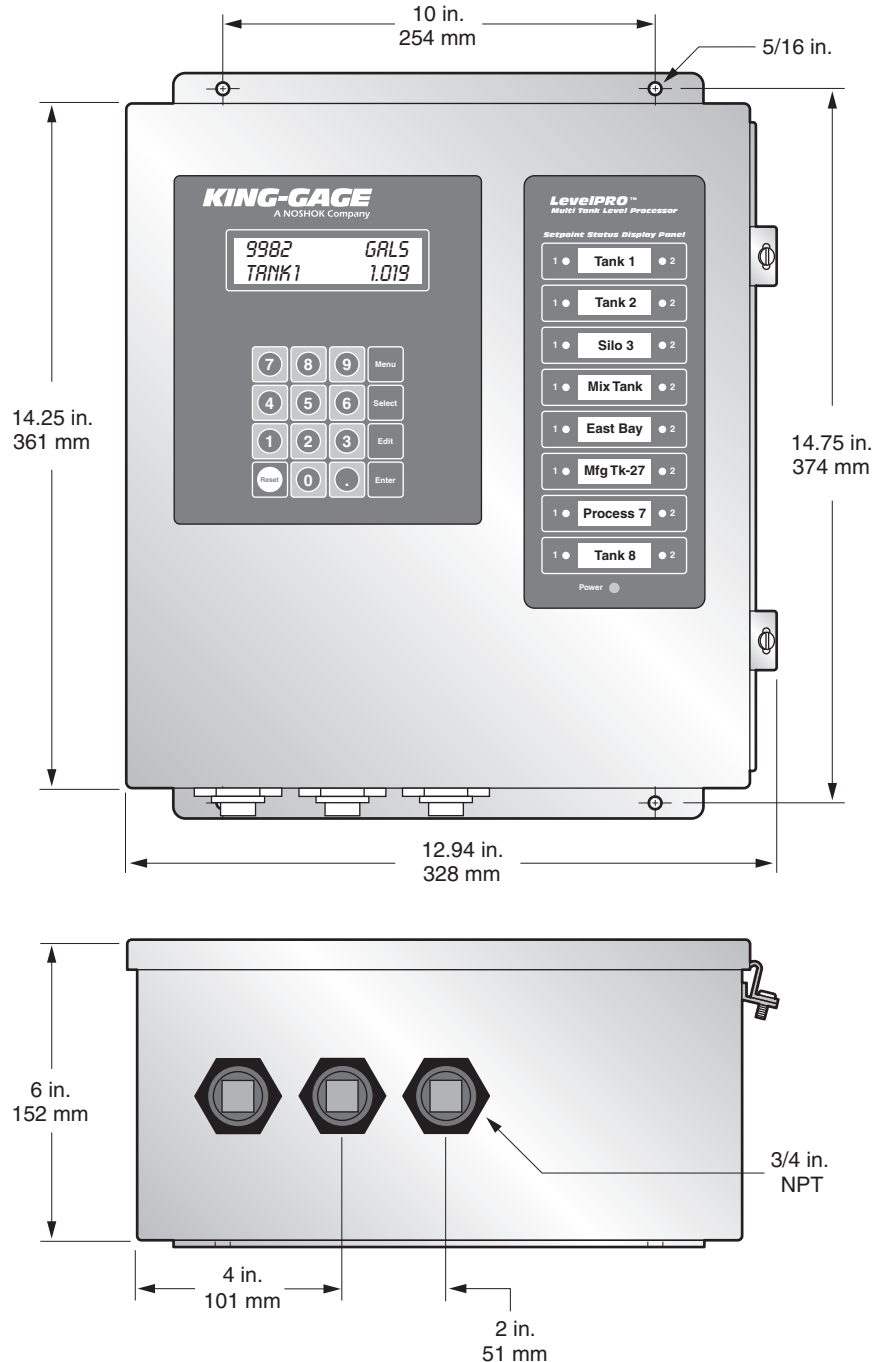
Service Parts & Dimensions – 1080-12.11

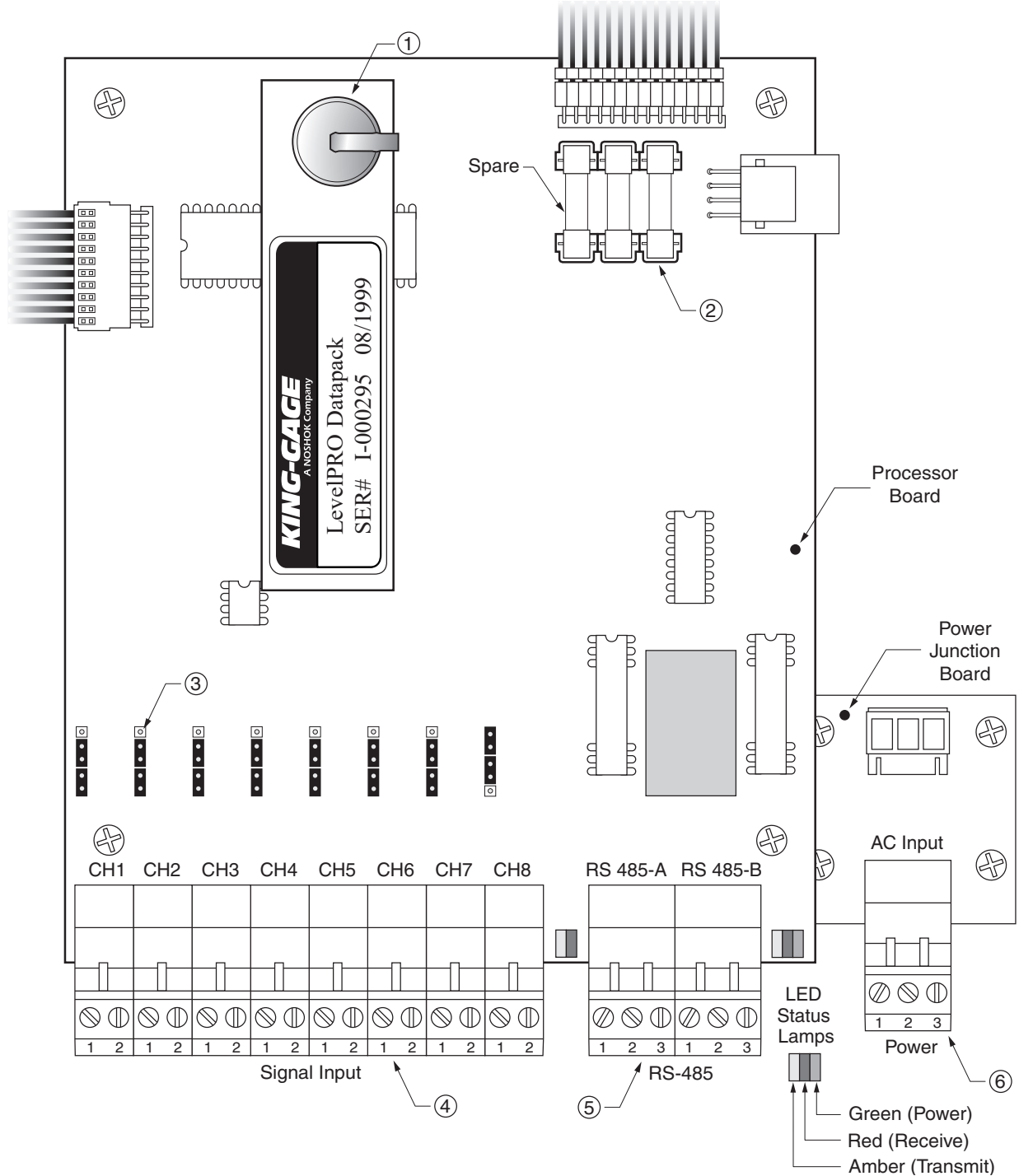
Effective: March 2007 (replaces June 2002)

Model 4641-3-1, 4641-3-2 LP2™ SP Setpoint Multi-Tank Processor

Specifications

- **Power Requirements**
100-240 Vac, 50-60 Hz, 25 watts
(fused internally for 2.5 A 120/250 V)
- **Temperature Range** (Environmental)
30°F to 120°F (-1°C to 49°C)
operating range
- **Signal Input**
4-20 milliamperes (mAcd)
- **Input Channels**
8 input channels; two wire 4-20 mA
analog signal
- **Keypad**
Membrane numeric keypad, five (5)
function keys, positive tactile response
- **Power Output**
24 Vdc nominal; fused @ 0.5 Amp
- **Input Impedance** (Resistance)
120 ohm nominal (2.4 Vdc drop @ 20
mAcd)
- **Memory**
Nonvolatile 64kbit memory iButton
- **Digital Readout**
Alphanumeric 0.3173 in. (8 mm)
16-character x 2-line LCD; numeric
8-digit (0-99999999 maximum)
- **Setpoint Relays**
(16) sixteen independent user setpoints;
(2) setpoints per tank channel; SPDT
(form-C) relays, maximum 3.0 A @ 115
Vac. Rated for minimum 100,000 cycle/
life at rated load.; continuously
adjustable over full input range. Front
panel LED status indicator gives visual
confirmation when set-point value has
been exceeded.
- **Accuracy**
±0.048% FS (±0.024% FS, typical)
- **Resolution**
±0.024% FS maximum (±0.004 mA)
- **Communications**
Two (2) serial EIA-485 ports; two wire
multidrop
- **Enclosure**
14 gauge stainless steel enclosure;
UL 50 types 4, 4X, 12, 13; hinged cover
with dual latching screw lugs.





Service Parts List

Item	Description	Part No.
1	..... Datapack iButton	Note A
2	..... 1/2 Amp 5 x 20 mm fuse (GMA 1/2)	7469-24-0 Note B
3	..... Shunt/Jumper	5926-1 Note C
4	..... 2-terminal socket connector	5858-2 Note D
5	..... 3-terminal socket connector	5858-3 Note D

Notes:

- A. Application datapack (64 kbit memory iButton) is factory configured with application-specific values. Please reference serial number when ordering replacement or upgrade.
- B. Left side fuse holder contains spare fuse. Replacement part listed is for 5-pack of fuses.
- C. Used in pairs. Position determines whether 24 Vdc excitation is supplied through input terminal.
- D. Screw clamp terminals accept the following wire sizes: #22-14 AWG (UL); #26-12 AWG (CSA).