Description
Detcon SmartWireless® gas detection systems include an optional 32 channel Master Control Panel that provides operator interface to the network and real time status display of all network devices. The Master Control Panel is compatible with Detcon’s Model RXT-320 Transceivers. Command functions include setting of alarm levels, number of active channels, gas type, range, alarm reset, alarm acknowledge, alarm test and radio silence. In normal operation the Master Control Panel provides real time display of gas concentrations or the status of other field devices; Smart Battery charge levels, network RF signal quality and any number of fault diagnostic conditions affecting either an individual field device or the entire network. These fault conditions are displayed on the control panel screen.

The wireless control panel is rated for Class 1; Division 1, Groups C, D and Class 1, Division 2; Groups A, B, C, D hazardous areas. Operator interface is non-intrusive via magnetic contact switches located behind the glass lens cover. This advanced design takes advantage of a low power LCD with back light and ultra low power components that extend operating time for 1-2 months before recharge is required. Like all other Detcon SmartWireless® system components, power is provided by Detcon’s Smart Battery Pack. An optional solar charging panel can be used to extend operating time for virtually any application.

Features
- Compatible with Model RXT-320 Transceivers
- 32 channel capacity panels
- Real time 4 line 40 character LCD
- Field device status and location tag
- Alarm condition LEDs
- Non-intrusive operator interface

Applications
- Oil and Gas Drilling Rigs
- Oil and Gas Production Sites
- Wastewater Treatment Plants
- Food and Beverage Processing
- Pulp and Paper Mills
- Refining and Petrochemical
**System Specifications**

**Capacity**
Up to 31 Input Devices

**Display**
1 1/4" x 6" Backlit LCD

**Electrical Classification**
- Class I; Division 1; Groups D, C
- Class I; Division 2; Groups A, B, C, D

**Safety Approvals**
- cETLus Class I, Division 1, Groups C, D (transceiver only)
- ATEX II 2 G Ex d [ib] ib IIB T6 + H2 T4 (pending)
- CE Marking (pending)

**Warranty**
One Year

**Environmental Specifications**

**Operating Temperature Range**
-40°C to +75°C; -40°F to +167°F

**Mechanical Specifications**

**Dimensions**
15.5"H x 25"W x 7.25"D; 393mmH x 635mmW x 184mmD

**Weight**
22 lbs/9.97 kilograms

**Accessories**
Solar Charging Panel

**Order Guide**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>957-X32000-000-4_0</td>
<td>Model SW-X40-32, 32 Channel SmartWireless® Master Control Panel in cast aluminum enclosure: Class 1; Division 1; Groups C, D with RXT-320 Transceiver, power option and pipe mounting plate.</td>
</tr>
</tbody>
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To complete the part number please select from the power option below.

X X X X - X X X X X X - X X X - X _ X

Position “14” power selection:  
5 - Battery pack  
6 - Battery pack with alarm reset switch  
7 - VAC line power to DC power supply  
8 - 12-24VDC supplied by customer  
9 - VAC line power to DC power supply w/ stand-by battery

**Electrical Specifications**

**Power Input**
- 11.5-30 VDC

**Power Consumption**
- Nominal: 0.15 Watt @ 11.5VDC  
- Maximum: 1.2 Watts @11.5VDC (Includes display w/backlight and 4 LEDs active)

**Performance**
- Transmit Power Output: 18dBm

**Range Limits**
- Indoor/ No Line of Sight: 1,000ft
- Outdoor RF Line of Sight (with standard antenna): 1 Mile
- Interface Data Rate: 9,600bps
- Throughput Data Rate: 19,200bps
- RF Data Rate: 250,000bps
- Transceiver Sensitivity: -102dBm

**Networking and Security**
- Frequency: 2.4GHz ISM  
- Spread Spectrum: DSSS (Direct Sequence Spread Spectrum)  
- Modulation: 0-QPSK  
- Supported Network Topologies: Mesh, Point-to-Point  
- Channel Capacity: 32  
- Encryption: AES-128 Available

**Antenna**
- Connector: Internal F-Type Antenna  
- Impedance: N/A

**I/O Protection**
- Over-voltage, Miswiring, EMI/RFI Immunity

Specifications subject to change without notice