

# **WIRELESS SENSOR OPTIONS FOR THE CLOUD-BAS PLATFORM**

500' Plus Range





## LIGHTING LUMS / TEMPERATURE / HUMIDITY SENSORS

	Voter FC7 - Start Late       O       Explicit O       C       Light Lums Sensor       Sensor #       Valaget Late	Next F01 - LOW TMP       O       Facility       O       Excent for Sensor       Sensor #       Valvg21 cm	Note FOF       C       Facility C       Sensor #       Valv27 cor:       Valv27 cor:
SENSOR TYPE	Light Lums	Temperature Only (No remote sensor)	Temperature/Humidity (No remote sensor)
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery with optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>
REPORTING CYCLE	• Every 15 minutes	• Every 15 minutes	• Every 15 minutes
INDOOR / OUTDOOR	• Both	• Both	• Both
COMMON	<ul> <li>Parking Lot</li> <li>Parking Garage</li> <li>ATM Machine Area</li> <li>24 Hour Lighting</li> <li>Signage</li> <li>Cell / Radio Tower Site</li> <li>Landscape</li> <li>Accent</li> </ul>	<ul> <li>Conference Rm</li> <li>Storage Area</li> <li>Refrigerated Retail Display Cases&gt;30</li> <li>Outdoor Air</li> <li>Lab</li> <li>IT / Electric Rm.</li> <li>ATM Rm</li> <li>Sprinkler Rm</li> <li>Remote Buildings &lt;500 feet@ ground level}</li> <li>Cell / Radio Tower Sites</li> </ul>	<ul> <li>Conference Rm</li> <li>Storage Area</li> <li>Outdoor Air</li> <li>Lab</li> <li>IT / Electric Rm.</li> <li>Remote Buildings &lt;500 feet@ ground level}</li> <li>Cell / Radio Tower Sites</li> </ul>
OPTIONS	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for mounting in outdoor weather exposed areas 6 x 4 x 3" tall</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for mounting in outdoor weather exposed areas 6 x 4 x 3" tall</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for mounting in outdoor weather exposed areas 6 x 4 x 3" tall</li> </ul>

### LIGHTING LUMS / TEMPERATURE / HUMIDITY SENSORS

	Node For - DUCT TMF         Exclusion         Exclusion	Voie: for -LOW TEMP         Facility Order         Understand         Order         Order <t< th=""></t<>
SENSOR TYPE	Temperature only with 6' remote sensor probe	Low Temperature with 6' remote sensor bulb
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>
REPORTING CYCLE	• Every 15 minutes	• Every 15 minutes
INDOOR / OUTDOOR	• Indoor	• Indoor
COMMONUSAGES	<ul> <li>Air Duct</li> <li>HVAC Unit</li> <li>Heating Boiler</li> <li>Outdoor Air Intakes</li> <li>Refrigerated Rm / Display Cases &gt;0</li> <li>Any location that requires remote temperature sensing</li> </ul>	• Storage Freezer >-50
OPTIONS		

# **CONTACT-STATE SENSORS**

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SENSOR TYPE	Vehicle Detection	Water Leak Detection with 10' sensing rope	Motion / Occupancy
SPECS	<ul> <li>Lithium Battery -0 to 200 Degrees F.</li> <li>Battery Life 2 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>
REPORTING CYCLE	<ul> <li>&lt; 15 seconds upon weight detection</li> </ul>	• < 15 seconds upon water detection	• Detection
INDOOR / OUTDOOR	• Outside	• Both	• Both
COMMON USAGES	• Cell / Radio Tower Sites	<ul> <li>Water Heater</li> <li>HVAC Condensate</li> <li>Sprinkler Rm</li> <li>Mechanical Rm.</li> <li>Bathroom</li> <li>Utility Rm.</li> <li>Cell / Radio Tower Sites</li> <li>High Water Level Flood Detection</li> </ul>	<ul> <li>Turn on Lighting</li> <li>Turn On HVAC</li> <li>Verify Employee Arrival</li> <li>Cleaning Crew Verification</li> <li>Movement inside Refrigerated Areas</li> </ul>
OPTIONS	• Comes standard with water tight enclosure for outdoor mounting	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>

### **CONTACT-STATE SENSORS**

	Vote: F07-5000 / MATO           Facility           O           Door / Hatch Open Sensor #           Vote:/CT.cm	Model FOT       Facility       C       Sensor #
SENSOR TYPE	Door / Roof Hatch Monitor	Dry Contact with 3' bald end wire leads
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery with optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery with optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 5 yrs</li> </ul>
REPORTING CYCLE	<ul> <li>&lt; 15 seconds upon "OPEN" detection</li> </ul>	• < 15 seconds upon contact change
INDOOR / OUTDOOR	• Indoor	• Both
COMMON USAGES	<ul> <li>Refrigerated / Freezer Door</li> <li>Roof Hatch</li> <li>Garage Door</li> <li>Passage / Entrance Door</li> <li>Fuel Fill</li> </ul>	<ul> <li>Any non-voltage - dry contact switch</li> <li>Combine with optional current switch for pump / fan motor status</li> <li>Water / Air Pressure Switch Status</li> <li>Air Flow (Static Pressure) Status</li> <li>Sump Pit High Water Level Float Switch</li> <li>Fire Panel Status</li> <li>Security Panel Status</li> <li>Power Loss</li> <li>Phase Loss</li> <li>Generator Run / Alarm Status</li> </ul>
OPTIONS	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Sump Pit Float</li> <li>&lt;10 Amp current switch</li> <li>&lt; 50 Amp current switch</li> <li>&lt; 75 Amp current switch</li> <li>&lt; 150 psi Water Pressure Switch</li> <li>&lt; 2" Air Pressure micro-switch for HVAC Air Flow Status</li> <li>&lt; 250 PSI Air Pressure Switch for Air Tank</li> <li>Water tight enclosure for outdoor mounting</li> </ul>

# **ELECTRICAL POWER MONITORS**

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SENSOR TYPE	Dry Contact with 3' bald end wire leads	DC Voltage Monitor	AC Voltage Monitor
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery with optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>
REPORTING CYCLE	<ul> <li>&lt; 15 seconds upon contact change</li> </ul>	• Every 60 Minutes	• Every 15 Minutes
INDOOR / OUTDOOR	• Both	• Both	• Both
COMMON USAGES	<ul> <li>Any non-voltage - dry contact switch</li> <li>Combine with optional current switch for pump / fan motor status</li> <li>Power Loss</li> <li>Phase Loss</li> <li>Generator Run / Alarm Status</li> </ul>	<ul> <li>Low Voltage DC Circuit Level &lt;50</li> <li>Generator Battery</li> </ul>	• Electrical Power AC Voltage Level <500
OPTIONS	<ul> <li>Lithium Battery</li> <li>&lt;10 Amp current switch</li> <li>&lt; 50 Amp current switch</li> <li>&lt; 75 Amp current switch</li> <li>Power Loss Relay</li> <li>Phase / Voltage Monitor</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>

#### **ELECTRICAL POWER MONITORS**

	Index FOT           Encility           Encility           Encility           Encility           Encility           Encility           Encility           Encility           Encility	Index for conserver     Index for conserver     Index conserv
SENSOR TYPE	1 Phase Amp / Current Level Monitor	3 Phase Amp / Current Level Monitor
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>
REPORTING CYCLE	• Every 15 minutes	• Every 15 minutes
INDOOR / OUTDOOR	• Indoor	• Outside
COMMON USAGES	<ul> <li>Refrigerated / Freezer Door</li> <li>Roof Hatch</li> <li>Garage Door</li> <li>Passage / Enterance Door</li> <li>Fuel Fill</li> </ul>	• Cell / Radio Tower Sites
OPTIONS	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Comes standard with water tight enclosure for outside mounting</li> </ul>

# **FUEL LEVEL MONITORS**

	Model: FOT - LP TANK LVL	Model FOT	Model: FOT
	C Facility C C C C C C C C C C C C C C C C C C C	C	C     Facility OC       Sensor #       Vath/Cf com
SENSOR TYPE	LP Tank Level Monitor	Fuel Tank Level Monitor	Loss of Natural Gas Pressure Switch
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>
REPORTING CYCLE	• Every 60 minutes	• Every 60 minutes	• Degrees F.
INDOOR / OUTDOOR	• Both	• Both	• Both
COMMON USAGES	<ul> <li>Any non-voltage - dry contact switch</li> <li>Combine with optional current switch for pump / fan motor status</li> <li>Power Loss</li> <li>Phase Loss</li> <li>Generator Run / Alarm Status</li> </ul>	<ul> <li>Generator Day Tank</li> <li>Generator Belly Tank</li> </ul>	<ul> <li>Natural Gas fueled Generator</li> <li>Commerical Kictchen</li> <li>Heating Boiler</li> </ul>
OPTIONS	<ul> <li>Lithium Battery</li> <li>&lt;10 Amp current switch</li> <li>&lt; 50 Amp current switch</li> <li>&lt; 75 Amp current switch</li> <li>Power Loss Relay</li> <li>Phase / Voltage Monitor</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>

#### **PRESSURE AND FLOW MONITORS**

	Comparison       C	C C C C C C C C C C C C C C C C C C C
SENSOR TYPE	Air / Water Pressure Monitor	Air Volocity Monitor
SPECS	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 3 to 4 yrs</li> </ul>	<ul> <li>0 to 130 Degrees F Standard Battery With optional Lithium Battery -20 to 185 Degrees F.</li> <li>Battery Life 1 to 2 yrs</li> </ul>
REPORTING CYCLE	• Every 15 minutes	• Every 15 minutes
INDOOR / OUTDOOR	• Indoor	• Both
COMMON USAGES	<ul> <li>Compressed Air Tanks</li> <li>Water Service</li> <li>Water Boiler</li> </ul>	<ul> <li>HVAC Fresh Air Intake</li> <li>HVAC Duct</li> <li>Exhaust Duct</li> </ul>
OPTIONS	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>	<ul> <li>Lithium Battery</li> <li>Water tight enclosure for outdoor mounting</li> </ul>