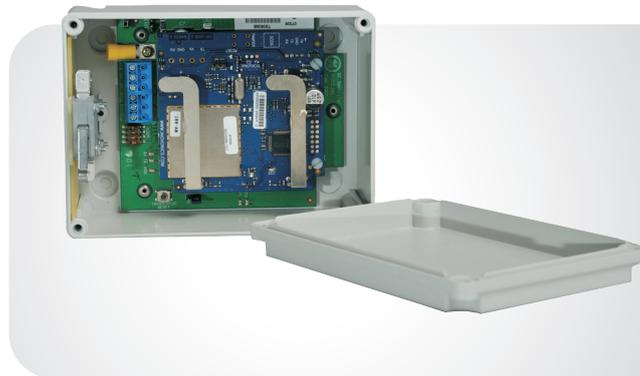


# TS0825E

Inovonics Echostream® Wireless DGP



## Overview

The TS0825E Wireless Data Gathering Panel (WDGP) is used to provide cable-free installation of devices to your Challenger system such as PIRs, smoke detectors, and glass break detectors while supporting single and multi-button pendants and remotes.

The TS0825E helps eliminate problems such as wiring security devices to Challenger through concrete walls or floors, securing heritage buildings (no drilling allowed) or wiring to detached structures such as sheds or garages. (Eliminate cost of trench digging).

Multi-button remotes are typically used to trigger an input within Challenger to activate a relay such as opening a roller door, or wirelessly arm/disarm an area programmed within the Challenger.

The TS0825E also enables the use of wireless panic pendants to trigger duress alarms.

The TS0825E WDGP is integrated with an Inovonics high performance EcoStream® receiver. The unit and its antenna are contained within an IP55 plastic enclosure for inconspicuous appearance and basic protection against the elements.

The TS0825E receives signals from the Inovonics range of EcoStream ES12xx Transmitters, providing up to 32 virtual inputs and 1024 duress users.

The TS0825E has a built-in programmer for registering ES12xx transmitters into the TS0825E database.

The TS0825E WDGP may be installed up to 1.5 km from the V8 Challenger panel (greater if LAN Isolation Interfaces are used to extend the distance). The TS0825E is used to expand the Challenger by up to 16 or 32 inputs.

## Features

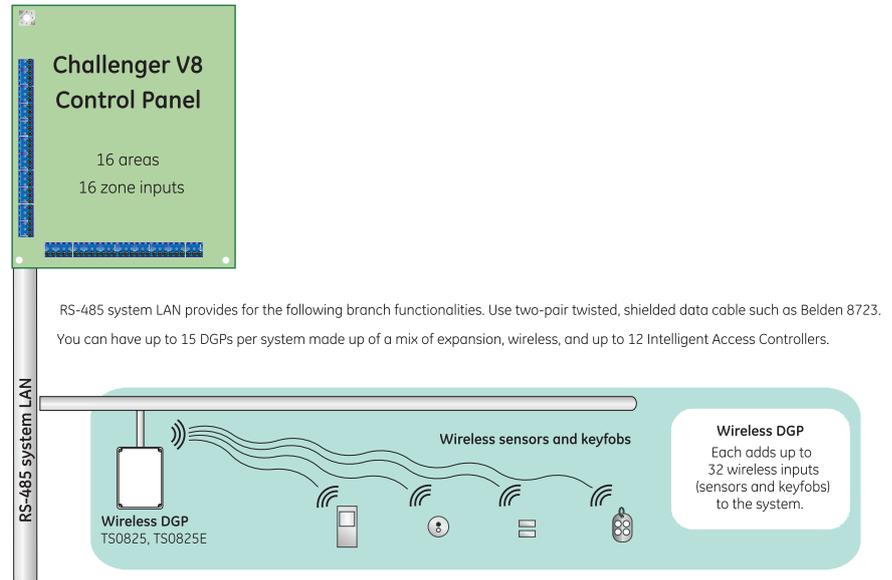
- Expand the Challenger by up to 16 or 32 inputs.
- 1.5km from the Challenger panel
- Works with Inovonics repeaters to extend wireless range.
- 1,024 duress inputs
- Transmitter ID is registered into a database held in the TS0825E WDGP
- Rear and front tamper protection
- IP55 plastic enclosure
- Supervision (heartbeat check) on wireless detection devices
- Reports signal margin to Challenger
- Reports duress and detector battery low

# TS0825E

## Inovonics EchoStream<sup>®</sup> Wireless DGP

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### System Block Diagram



### Specifications

<b>Power Supply</b>	
Input Voltage	13.8 VDC (Powered by LAN)
Operating Current	90mA
<b>Communications</b>	
Maximum LAN/comms. distance	Up to three TS0893 may be used to extend the distance, each by 1.5km)
Specified Cable for LAN	Belden 8723 or equivalent
LAN Monitoring	Continuously monitored for off-line status of all devices on the LAN
Wireless Sensor monitoring	Each sensor (refer list) is regularly checked for range and communications
Wireless Sensor Signal Strength	Each sensor's signal strength can be checked via the RAS (Remote Arming Station / Keypad)
Wireless Frequency	915-928 MHz in Australia, and 921-928 in New Zealand
Jam Detection	Monitors all channels for presence of interference
<b>Operating Capacities and Connections</b>	
Alarm Points	16-32
Operating Temperature	0 - +60°C
Total number per control panel	15 (Max. 240 wireless zones)
Addressing	Individually addressed by DIP switches
Enclosure size (W x H x D)	110 x 150 x 70 mm

### Ordering information

TS0825E	Inovonics Wireless DGP
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