

Tagging Visual Display (TVD)



Overview

Custom built to work with its powerful PCC Communications Controller, the TVD enables forced authorisation of your pumps. Whether you operate a retail service station, a home base fuelling depot or a commercial truck stop, the TVD ensures your fuel is secure.

Using a secure contactless card reader and integrated display, the TVD is designed to mount on the side of a dispenser and communicate back to the PCC. If required, the pump will only be authorised to dispense fuel when an appropriate contactless device is presented to the reader. And with the integrated display and LEDs, you can even provide messages back to the user.

Provide your customers with their own fuel fleet card, secure your forecourt with attendant tagging, or just secure your unmanned site from unauthorised access. With detailed reporting on who is delivering fuel, how much and when, the TVD puts you back in control of your fuel.

Benefits to your business

Maximise profits and reduce costs

Have confidence that only those authorised are dispensing fuel from your site. Ensure you're not losing fuel, by creating automatic site and HO reports on who is dispensing what, and when. The TVD can mind your pumps for you.

Increase business efficiency

With a traditional system, you only get this level of security by manually authorising the pump at the Point of Sale, or by adding an expensive payment terminal at the pump. With the TVD you get the benefits of authorisation at the pump easily and at a fraction of the cost, with detailed business reporting on staff or customer activity.

Improve customer experience

Today's customers don't like to wait. With the TVD, you have the ability to authorise fuel dispensing right at the pump. And with the integrated line display, you can even send messages to your staff to help improve customer loyalty.

Key Features

Attendant tagging support

Full attendant tagging functionality is supported when used with the Postec FOCUS site software. Configure attendant bag limits, link attendants to specific pumps and get reports on how much cash they are carrying.

Integrated display

As well as three coloured LEDs, the TVD also provides a single line 16 character display. With this display the system will notify users of the status of pumps or warn attendants when they need to drop cash indoors if they exceed their bag limit.

Mifare contactless security

Mifare is reputedly the most widely installed contactless smart card technology in the world, providing a proven and reliable platform for the TVD.

Integrates back to the PCC

Operating 24 hours a day, 365 days a year, the PCC operates unmanned and in retail environments all around the world, and has been installed in the harshest environmental conditions that exist in the petroleum industry.

Low cost

Using the TVD, it is possible to deploy contactless readers on every pump on your forecourt, often at less than the cost of deploying a single outdoor payment terminal. Compared with the ongoing cost of losing fuel, the TVD is a very low cost solution.

Expandable

Start with as few, or as many readers as you require. Each PCC can connect with up to 32 TVDs.

Specifications

Display

- LCD Alphanumeric character display
- Operating Temperature: -20 to 70°C
- 1 line of 16 Characters
- Green LED back light
- 95 x 11 mm visible display area
- High brightness red LEDs indicators x 3
- Piezo beeper

Power supply

- 9 VDC
- 1.6A (max)

This can be used to drive 2 TVDs

Processor board

- 78E516 Micro-controller
- External watchdog timer
- 256 bytes EEPROM

User input

- Mifare contactless smart card reader/writer
- Rear access push button service switch

Serial communications

- RS 485 to Site Controller

OPTIONS

iWire

iWire, or the Invisible Wire, provides a purpose built wireless connection for connecting your PCC and other peripheral devices such as the TVD. No conduit available to lay cable? Don't want to cut up your forecourt? No problem. Install an iWire Master and iWire Slave at each end, and now the TVD and pumps can communicate wirelessly back to the controller.

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