

Dual Input LoRa WAN Pulse Counter - Alarm Sender

TBS12PC-FS

The TBS12PC-FS is a dual purpose device which can be used for rainfall / flow monitoring or as a dual input alarm unit. The unit may be used in any LoRa WAN network.

LoRa WAN

LoRa WAN networks are being rolled out in both open (public) and closed (private) formats and offer an alternative to traditional cellular or mobile phone based telemetry systems. Whilst cellular systems are designed to cope with the high data rates demanded by applications such as video streaming, LoRa WAN has been designed with low data rates and minimal power consumption in mind. Making it the ideal choice for environmental monitoring.

TBS12PC-FS BASICS

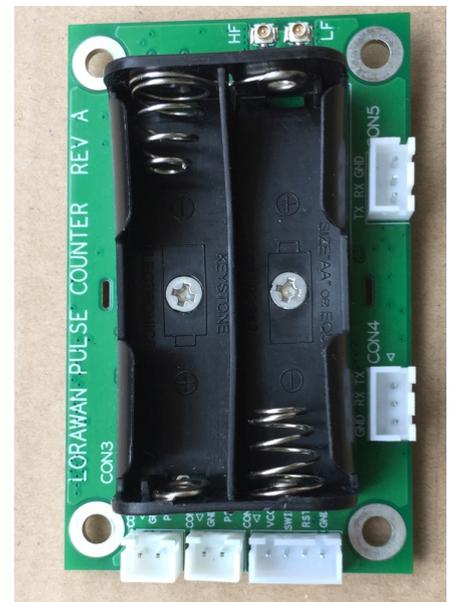
The TBS12PC-FS is a small printed circuit board (PCB) which has two digital inputs, memory and a LoRa WAN modem module. It can be used in two modes:

TBS12PC:

- in PC or pulse count mode, the unit offers two digital input channels which may be used to connect to any pulse sensor. The most common applications are for rain and flow monitoring. The TBS12PC records the rain or flow in each logging period plus a totaliser.

TBS12FS:

- in FS or Field Switch mode, the unit's digital inputs are used to read switches. They will send an alarm packet each time an input turns on or off. Once the alarm packet reaches the remote server (e.g. Sensori) it can be used to alert users via an on screen alert, EMail or SMS. The TBS12FS can be used to detect when irrigation reaches the end of a bay, or to monitor gates and doors. The TBS12FS records when the input changes state and the time period for which it has been on (duration).



POWER SUPPLY OPTIONS

The TBS12PC-FS board carries a holder for 2 AA sized Alkaline batteries. If longer life is required an 8, 13 or 20 AH lithium cell may be connected to the External battery connector.

If completely unattended operation is required, the unit may be powered via a separate solar panel and rechargeable battery.

Ordering Details

TBS12PC-FS Dual Input LoRa WAN Pulse Counter - Alarm Generator

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