

TRAFFIC TECHNOLOGY 2000

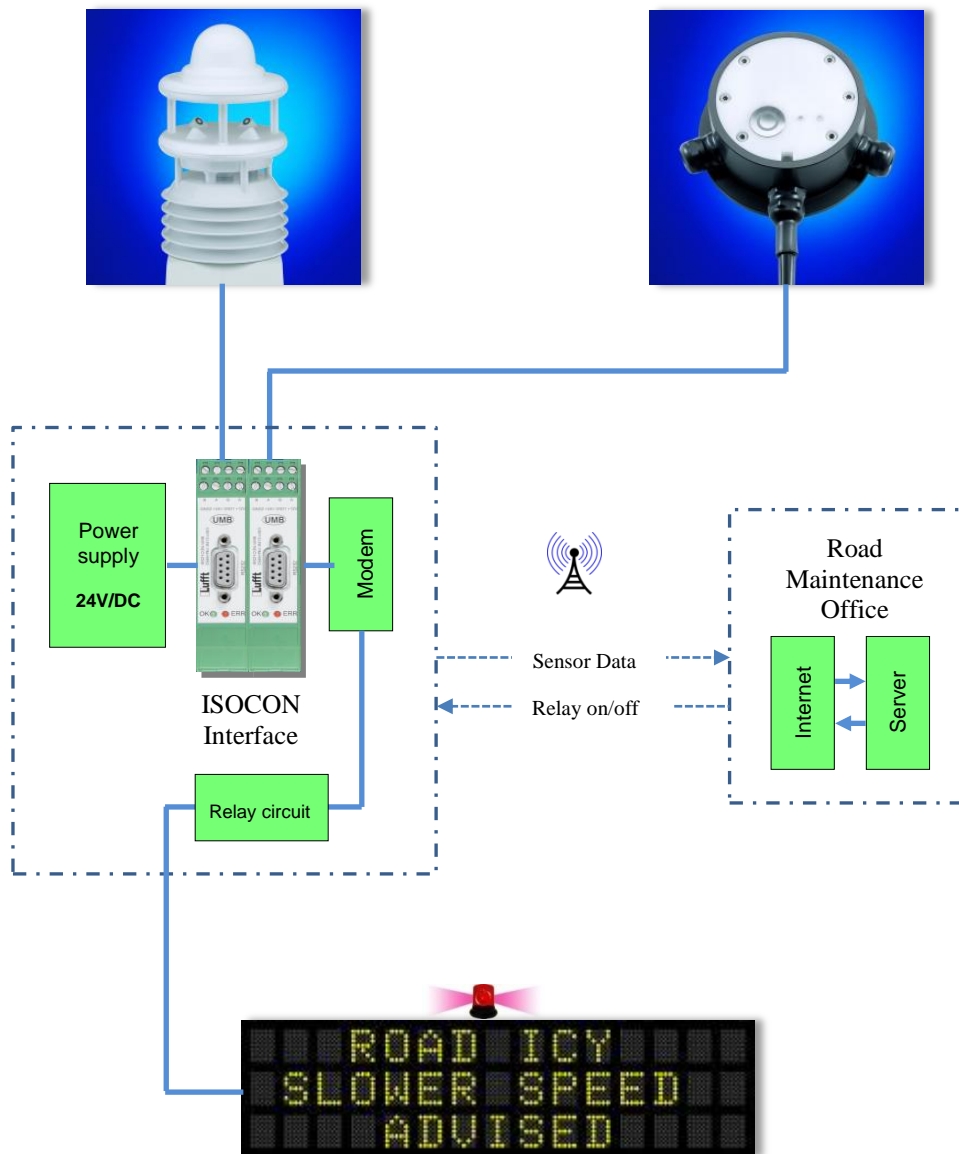
Road Safety with a System

Weather Critical Device Controller WCDC (Block diagram)

WS600 Compact
Weather Station



IRS31 Intelligent
Road Sensor



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Road Safety with a System

Product Overview

The Weather Critical Device Controller (WCDC) provides remote relay control in countless applications including warning light, variable message sign and device control.

The sensor values are retrieved using LUFFT's SmartView3 application which evaluates the condition and takes appropriate action.

Compatible with all of LUFFT's UMB sensors:

- IRS31 Road Sensor
- NIRS31 Non-Invasive Road Sensor
- WSxxx Compact Weather Station
- VS20 Visibility Sensor
- R2S Precipitation Sensor

Sensor channels can be set individually according to client specifications.

Other sensors (e.g. water level, air quality, etc.) can easily be integrated thanks to LUFFT's modular UMB design.

Functionality

- Server collects sensor values from the station.
- Server compares sensor values to a pre-set threshold.
- Server triggers a relay which in turn sets off an alarm.
- Email or SMS confirmation is sent to maintenance personnel.

Advantages:

- Central monitoring of all sites
- Central data archiving and report generation
- Integration into existing ARWIS network