Intuicom DIO Transceiver User Guide, Rev. 1.0a

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The attached .pdf file contains the Intuicom DIO Transceiver User Guide, Revision 1.0a, copyright 2006.

Excerpt:

1 Overview

The Intuicom DIO wireless transceiver is a single product capable of being configured to perform any role in a remote contact closure/discrete IO application. The DIO has eight inputs, eight outputs, and can be configured as a base, remote, or remote/repeater. The DIO is capable of operating bi-directionally (sending and receiving contact-closure signals) in both Point-to-Point and Point-to-Multipoint architectures. The DIO features the ability to perform message confirmation and notification of link integrity.

Combining bi-directional IO capabilities with individually addressable units, the DIO support an almost limitless combination of configurations. Units can be sending and receiving IO signals while repeating signals for other units – no dedicated repeater units required. The DIO is available in spread-spectrum 900MHz and 2.4GHz license-free models. The DIO can be configured using Intuicom CommPro™ software or through any terminal emulation program – any available PC in the field can be used for configuration.

DIO applications include:

- Traffic Controller signaling: loop detectors, metering, counters, remote power and signage
- General SCADA: remote power control, event monitoring
- Security: remote event detection, remote alarm triggering
- Timing signal distribution

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