

RACK DRIVER INTERFACE – RDI-II

The DK1 RDI is the basic version of HMI purposely designed for use in truck loading applications for bulk petro-chemical products. It provides the display, data entry and identification functions required. The RDI is intrinsically safe and suitable for installations in hazardous areas.

Alphanumeric Displays

The RDI display incorporates a 4 line by 20-character alphanumeric LCD display with a character height of 8mm. The unit has extended temperature range with auto viewing angle adjustment.

Public Access Keypad

The storm proof 4 x 3 key public access keypad is a durable outdoor weather and vandal proof keypad suitable for use in the petrochemical applications. Each key is metal with impress and colored markings.

Start/Stop Buttons

One set of 22.5mm Start/Stop extended pushbuttons are provided to enable the starting and stopping of bulk product flow during loading. The Stop button will stop flow in any arm or stream associated with this control point.

Full Duplex Communications Port

A full duplex serial port is integrated into the RDI to allow bi-direction communication with the host computer. In Bay Controller applications, this is the Rack Transaction Controller (RTC).

The RDI is also capable of interfacing directly with an OSD-139 opto modem. This port provides communications to the host computer.

ID Readers

There are 2 ID media options available for inclusion on the RDI; Magnetic Card or iButton.

Magnetic Card

Identification is provided by a ISO-3554 standard track 2 card reader.

iButton

iButtons are a computer chip with a globally unique ID mounted in a small hermetically 16mm sealed stainless steel case.

iButtons are not affected by temperature variations or magnetic fields.



Models

RDI-II-G	Magnetic Card
RDI-II-GI	iButton
RDI-II-GIM	iButton & Magnetic Card



Model # RDI-II-GI shown

Certification

AUS Ex 02.2561X
ZONE 1 Ex ib IIA T3 IP20

Environmental Specifications

Temperature range:	10 - 60° C
Ingress Protection (iButton):	IP65
Ingress Protection (Magnetic Card):	IP54

Power Requirements

250V 50Hz

Power Consumption (typical)

24 Watts

Dimensions (mm)

