

NR500 Series Industrial Cellular VPN Router

Application Note 022

Digital Input Setting

Version: V1.0.0
Date: 2018/09/21
Status: Confidential



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1. Introduction

1.1 Overview

This document contains information regarding the configuration and use of Digital Input setting.

This guide has been written for use by technically competent personnel with a good understanding of the communications technologies used in the product, and of the requirements for their specific application.

1.2 Compatibility

This application note applies to:

Models Shown: NR500 series.

Firmware Version: V1.0.0(903.0) or newer

Other Compatible Models: None

1.3 Version

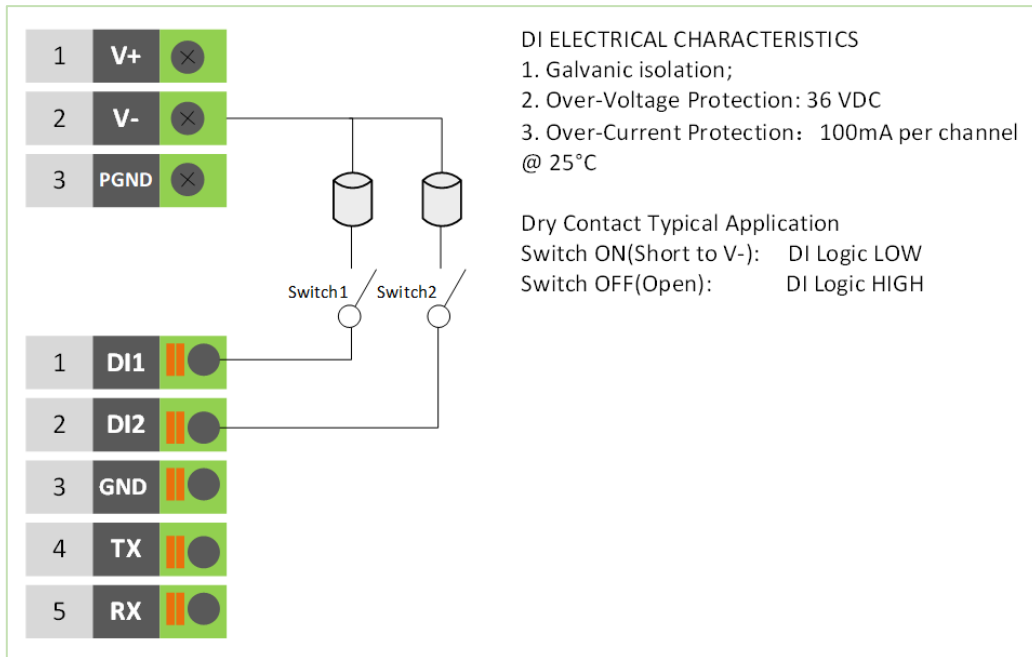
Updates between document versions are cumulative. Therefore, the latest document will include all the content of previous versions.

Release Date	Doc. Version	Firmware Version	Change Description
2018/09/21	V1.0.0	V1.0.0(903.0)	First released

1.4 Corrections

Appreciate for corrections or rectifications to this application note, and if any request for new application notes please email to: support@navigateworx.com

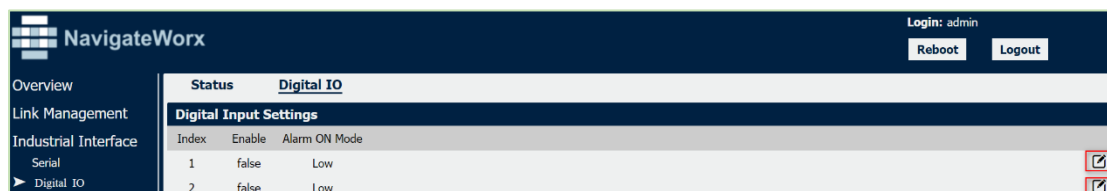
2. Typical Application Diagram



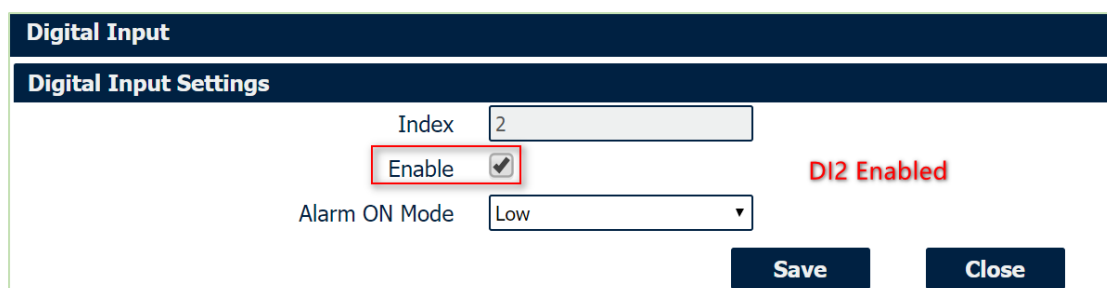
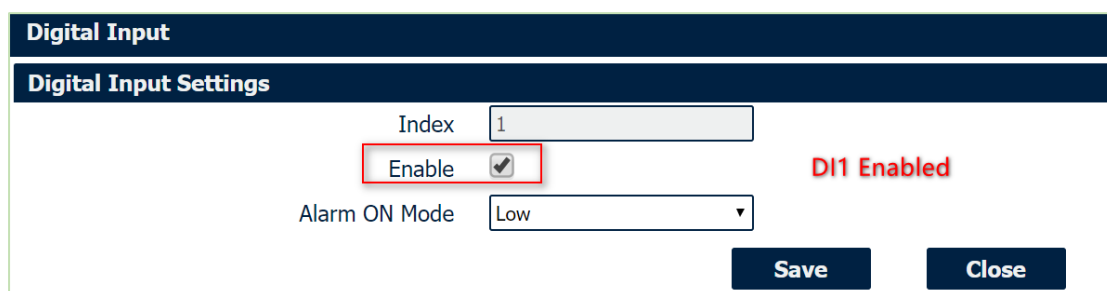
3. Configuration

3.1 Digital Input Configuration

1. Go to **Industrial Interface>Digital IO>Digital IO>Digital Input Settings**, Click the **Edit** button of DI1 and DI2.




2. Enable DI1 and DI2, like below picture.



3. Click Save>Apply.

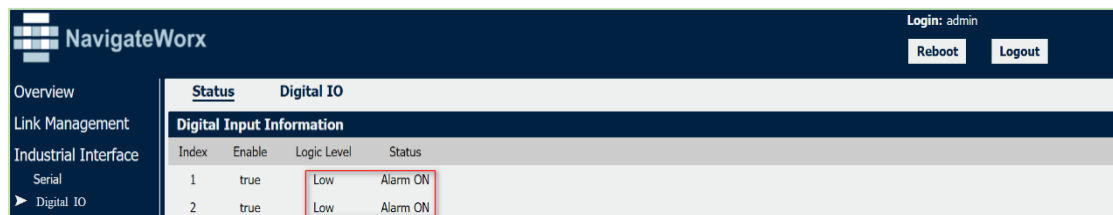
4. Testing

1. Go to **Industrial Interface>Digital IO>Status>Digital Input Information**, to check the default DI1 and DI2 status like below:



Status Digital IO			
Digital Input Information			
Index	Enable	Logic Level	Status
1	true	High	Alarm OFF
2	true	High	Alarm OFF

2. Switch on(short to V-) for both DI1 and DI2, to check again the status of DI1 and DI2, like below:



Status Digital IO			
Digital Input Information			
Index	Enable	Logic Level	Status
1	true	Low	Alarm ON
2	true	Low	Alarm ON

- “Logic Level” changed from “High” to “Low”
- “Status” changed from “Alarm OFF” to “Alarm ON”

3. Test successfully.