

Dynatrol DS-32 RTU

Device Status Conversion Application Configuration Manual

Version: V1.0



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1 Overview

The application converts the Device Status Online/Offline events into Digital Inputs so that all other applications can retrieve the Device Status information via Digital Inputs. Value of 1 is Online, 0 means Offline.

The R02 owned Digital Points corresponds to the DBM Device Status Online/Offline status.

It is up to the user to configure the number of Device Status needed. That is if the number of R02 is less than the number of DBM Device Status, the application simply ignores the out of bound Device Status Events from DBM. If the number of R02 is more than the number of DBM Device Status, the out of bound owned Device Status will never get updated and marked as offline.

At startup, DBM checks the existence of R02, if it exists, DBM sends every Device Online/Offline events to R02.

Upon receiving the events from the DBM, the application simply updates the corresponding owned Digital values and send the corresponding events to DBM.

2 Remote Interface Application Table (R02 RIA)

The Remote Interface Application Table (R02_RIA) indicates the total input/output points owned by the R02 RIA application.

- **NumDI:** The total number of Digital Input (DI) points owned by this RIA. This field can be configured by the user.
- **NumACC:** The total number of Accumulation (ACC) Input points owned by this RIA. This field is always set to zero (0).
- **NumBCD:** The total number of Binary Coded Decimal (BCD) Input points owned by this RIA. This field is set to zero always zero (0).
- **NumLP:** The total number of Latch/Pulse (LP) Output points owned by this RIA. This field is set to zero always zero (0).
- **NumRL:** The total number of Raise/Lower (RL) Output points owned by this RIA. This field is set to zero always zero (0).
- **NumPAT:** The total number of Pattern Control (PAT) Output points owned by this RIA. This field is set to zero always zero (0).
- **NumDPS:** The total number of Double Point Select (DPS) Output points owned by this RIA. This field is set to zero always zero (0).
- **NumTC:** The total number of Trip/Close (TC) Output points owned by this RIA. This field is set to zero always zero (0).
- **NumAI:** The total number of Analog Input (AI) points owned by this RIA. This field is set to zero always zero (0).
- **NumAO:** The total number of Analog Output (AO) points owned by this RIA. This field is set to zero always zero (0).
- **NumDEV:** The total number of Devices (DEV) owned by this RIA. This field is set to zero always zero (0).