

MOVA 7 Alerts on UTMC/ MOVA OTU

This guide is designed to give an overview of setting up MOVA alerts on a UTMC/ MOVA OTU. This is in addition to the "MOVA Quickstart Guide for UTMC/ MOVA OTU" which it's advised to complete before adding these alerts.

Pre-requisites

- Users should have a working knowledge of the UTMC/ MOVA OTU's basic functions.
- The site specific CSV file has been downloaded from the Instation Database
- The controller interface has been installed and tested previously.
- Users have a working knowledge of MOVAComm, IC4 controller Specifications, Connecting to equipment using IP Comms and use of Gemini Connect tool.

Associated Documents

667/HQ/31601/001	MOVA Quickstart Guide for UTMC/ MOVA OTU
667/HB/31601/000	UTMC OTU/MOVA Handbook
667/HB/31760/000	GVP Reference Manual
667/CI/31601/000	UTMC/MOVA Type2 OTU Setup Form

All product specific Siemens Software is available from: <http://www.siemens.co.uk/traffic/en/index/downloads.htm>

Setting up Alerts on the UTMC OTU

MOVA7 also introduces 'alerts'. The intention of alerts is to bring exceptional or unusual conditions at a junction to the attention of the traffic manager.

The alerts implemented in MOVA 7 are:-

- Oversaturation alert
- Exit blocking alert
- Occupancy alert

In order to bring the alerts to the attention of the traffic manager they will be transmitted back to a connected UTC Instation when they occur. It is a prerequisite that the MOVA outstation be connected to a UTC Instation for the alert functionality to work.

The MOVA kernel maps the alerts to general purpose bits in the OTU, these in turn need to be mapped back to the UTC Instation where the operator can define an action to execute on their occurrence.

The alerts will be returned to the UTC Instation as General Purpose bits (GPn), so these need to be mapped to the MOVA alert on the OSE Config Screen. (*see Page 2*)

Note: The alerts also need to be defined in the MOVA dataset, please refer to the MOVA Setup Documentation

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Choose the GP bits Instance number to match where it's expected at the Instation.

Choose the Card/ Port to select the MOVA Stream (See Table 1)

Choose the Bit number for the Alert you require (See Table 2)

Table 2 Card/ Port allocation for MOVA Streams

Table 1 Bit Allocation and Alert Type

MOVA Stream	Card/ Port
1	mov1.alerts.in.1
2	mov2.alerts.in.1
3	mov3.alerts.in.1
4	mov4.alerts.in.1

Alert type	Bit
Any Alert	1
Oversaturation	2
Exit blocking	3
Occupancy	4

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