Deployment Guide

IntelliFlex I/O IP Gateway BMS Integration

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Overview

The IntelliFlex I/O IP Gateway provides a BACnet/IP interface that can be used by third-party systems to send override commands to groups of shades.

IP Connection

The IPG is capable of connecting to a wired IP network using one of the two RJ-45 connection labelled IP-A and IP-B. This port can be configured with a static IP address, or it can use DHCP to configure a dynamic address. By default, the IPG is configured to use DHCP. The MAC address for this network adaptor is printed on a label on the back of the IPG.

Shade Groups

Shade groups can be defined to command multiple shades using a single point. These groups can be used only for sending commands, they will not provide feedback on shade positions.

Shade Group Objects

Each shade group is represented by a Multi-state Output object. Up to 100 groups can be defined for a network beginning at Object Instance Number 1. The following is a description of the significant properties of these objects:

Property	Writeable	Description
Object Name	No	The name to uniquely identify the shade group.
Present Value	Commandable	The command to send to the shade group. The most common commands are: <table><tr><td>Value</td><td>Command</td></tr><tr><td>1</td><td>Stop</td></tr><tr><td>2</td><td>Clear Override</td></tr><tr><td>3</td><td>Retract</td></tr><tr><td>4</td><td>Extend</td></tr><tr><td>5</td><td>Move to Previous Preset Stop</td></tr><tr><td>6</td><td>Move to Next Preset Stop</td></tr></table>

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1	Stop
2	Clear Override
3	Retract
4	Extend
5	Move to Previous Preset Stop
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Priority Array	No	The common usage for each priority in the IntelliFlex I/O network is: 1- Life Safety 2- Security 3- Device Safety (Wind Sensor) 4- Building Management 5- Administrator 6- User High Priority 7- User Override (Switches, Schedules) 8- User Low Priority 9- Auto Override High 10- Auto Override (Brightness Sensor) 11- Auto Override Low Auto Control (Automated Glare Control)

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