



Object Library

KONE Integration Object

Copyright 2008
Johnson Controls, Inc.
All Rights Reserved

No part of this document may be reproduced without the prior permission of
Johnson Controls, Inc.

These instructions are supplemental. Some times they are supplemental to
other manufacturer's documentation. Never discard other manufacturer's
documentation. Publications from Johnson Controls, Inc. are not intended to
duplicate nor replace other manufacturer's documentation.

If this document is translated from the original English version by Johnson
Controls, Inc., all reasonable endeavors will be used to ensure the accuracy of
translation. Johnson Controls, Inc. shall not be liable for any translation errors
contained herein or for incidental or consequential damages in connection with
the furnishing or use of this translated material.

KONE INTEGRATION OBJECT

INTRODUCTION

The KONE Integration object is used to configure KONE integration-wide settings. It also provides KONE integration-wide communication statistics.

The KONE Integration object supports the KONE HLI V2.3 serial protocol.

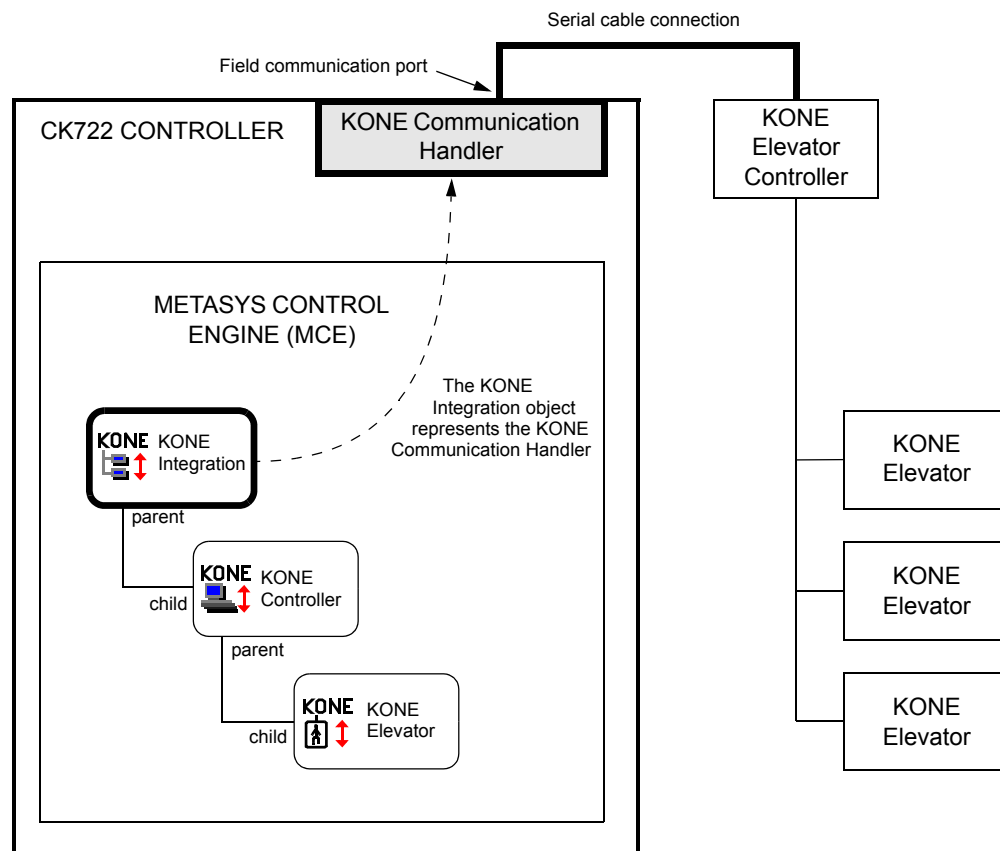


Figure 1: KONE Integration Object

ATTRIBUTES

The KONE Integration object contains attributes common to Metasys system objects. For details, see the *General Object Information* document. Table 1 lists only the attributes specific to the KONE Integration object.

Table 1: KONE Integration Object Attributes

Attribute Name	Attribute Number	Data Type	Notes	Initial Value	Values/Options /Range
<i>Baudrate</i>	-	Enumeration	WCA	-	0 = 9600 Baud 1 = 1200 Baud
<i>Clear Statistics</i>	2427	Boolean	W	-	-
<i>Corrupted Polls</i>	4089	Unsigned32	-	-	-
<i>Corrupted Responses</i>	4084	Unsigned32	-	-	-
<i>Date</i>	548	Date	-	-	-
<i>Default Locking Polls</i>	4080	Unsigned32	-	-	-
<i>Incomplete Responses</i>	4085	Unsigned32	-	-	-
<i>Invalid Polls</i>	4088	Unsigned32	-	-	-
<i>Invalid Responses</i>	4083	Unsigned32	-	-	-
<i>Floor List</i>	-	List of KONE Floor	WCAN	-	Max. 64 entries
<i>Latch Statistics</i>	2426	Boolean	W	-	-
<i>Missing Responses</i>	4086	Unsigned32	-	-	-
<i>Null Polls</i>	4078	Unsigned32	-	-	-
<i>Offlines</i>	3744	Unsigned32	-	-	-
<i>Reset Date</i>	1141	Date	-	-	-
<i>Reset Time</i>	1140	Time	-	-	-
<i>Set Access Polls</i>	4079	Unsigned32	-	-	-
<i>Time</i>	547	Time	-	-	-
<i>Total Polls</i>	4081	Unsigned32	-	-	-
<i>Total Responses</i>	4087	Unsigned32	-	-	-
<i>Valid Responses</i>	4082	Unsigned32	-	-	-
<i>Watchdog Events</i>	4090	Unsigned32	-	-	-

A - Archive, C - Configurable, N - Value Not Required, W - Writable

Baudrate – Specifies the communication speed to interface to the KONE elevator controllers.

Clear Statistics – When written to “True,” resets the statistics of the KONE Integration object and all of the “children” objects of its KONE Controller object.

Corrupted Polls – Indicates how many polls any KONE elevator controller rejected because of checksum errors.

Corrupted Responses – Indicates how many responses from all KONE elevator controllers were found to have an incorrect checksum.

Date – Indicates the local date when the KONE Integration object's statistics were last updated.

Default Locking Polls – Indicates how many default locking polls were sent to all KONE elevator controllers.

Floor List – Specifies which floors are defined for all KONE elevators underneath the KONE Integration object. It also specifies each defined floor's level number, which is required in communicating with the KONE controller. This attribute must contain all floors that are served by any elevator of the KONE elevator controller, and must not contain any floors that are not served by any elevator of the KONE elevator controller. The *Floor List* attribute must not contain any duplicate floor numbers. See “KONE Floor Data Type” on page 1-4 for details.

Incomplete Responses – Indicates how many responses from all KONE elevator controllers were not fully received.

Invalid Polls – Indicates how many polls were not understood by any KONE elevator controller despite a correct checksum.

Invalid Responses – Indicates how many responses from all KONE elevator controllers were not understood despite a correct checksum.

Latch Statistics – When written to “True,” updates the statistics of the KONE Integration object and all of the “children” objects of its KONE Controller object.

Missing Responses – Indicates how many expected responses from all KONE elevator controllers were not received at all.

Null Polls – Indicates how many null polls were sent to all KONE elevator controllers.

Offlines – Indicates how many times any KONE elevator controller transitioned from the online into the offline state.

Reset Date – Indicates the local date when the KONE Integration object's statistics were last reset.

Reset Time – Indicates the local time when the KONE Integration object's statistics were last reset.

Set Access Polls – Indicates how many “set access polls” were sent to all KONE elevator controllers.

Time – Indicates the local time when the KONE Integration object's statistics were last updated.

Total Polls – Indicates the sum of the *Null Polls*, *Set Access Polls* and *Default Locking Polls* attribute values.

Total Responses – Indicates the sum of the *Valid Responses*, *Invalid Responses*, *Corrupted Responses*, *Incomplete Responses* and *Missing Responses* attribute values.

Valid Responses – Indicates how many correct responses were received from all KONE elevator controllers.

Watchdog Events – Indicates how many times any KONE elevator controller's watchdog timer timed out.

KONE Floor Data Type

The KONE Integration object uses KONE Floor for its *Floor List* attribute.

Table 2: KONE Floor Data Type

Floor	Data Type	Values/Options /Range
<i>Floor Number</i>	Unsigned16	1 - 512
<i>Level Number</i>	Unsigned8	1 - 64

Floor Number – Specifies the 1 based floor descriptor as defined by the P2000 host. At the SCT (System Configuration Tool) this floor descriptor is displayed as the floor name defined at the P2000 host.

Level Number – Specifies the 1 based floor descriptor as defined by the KONE equipment.

COMMANDS

This section describes commands that can be issued to this object from SCT.

Table 3:

Command Name	Description
Latch Statistics	Writes the <i>Latch Statistics</i> attribute to "True."
Clear Statistics	Writes the <i>Clear Statistics</i> attribute to "True."
Change Attribute	See the description below.

The `Change Attribute` is a generic command available for writing the attributes of an object. It is mainly used to change an attribute value from those features which work only with commands. For the sole purpose of giving a generic example, there is no command defined to change the *Notify Priority* attribute of an object. `Change Attribute` could, therefore, be used to change the *Notify Priority* attribute through an interlock or multiple command, both features which require commands to be entered. The `Change Attribute` command requires two parameters:

- **Attribute** - This parameter specifies which attribute of the object is to be written. Only writable attributes may be changed by this command.
- **New value** - This parameter specifies new value to be written and must be the same data type as the attribute. The only data types allowed in this command are those allowed as command parameters. A command priority can be specified if the attribute to be changed is a prioritized attribute.

VIEWS

This section illustrates how the System Configuration Tool displays properties of the KONE Integration object. This screen also allows you to set the values of configurable attributes. For more information refer to the *System Configuration Tool (SCT)* manual.

The view displays the *Floor Number* in the form of the corresponding floor name string, as defined by the host.

Attribute	Value
Object	
Name	C0002-00017-KONE-I
Description	
Object Type	KONE Integration
Object Category	System
Partition	Super User
Public	<input type="checkbox"/>
Engineering Values	
Baud Rate	9600
Floor List	Listof[0]

Figure 2: Configuration View

