The AdamAlrm Driver

The AdamAlrm driver links an Adam Communication Systems International alarm receiver system to North. Available for Commander and ObSys.

This document relates to AdamAlrm driver version 1.0

Please read the *Commander Manual* or *ObSys Manual* alongside this document, available from *www.northbt.com*

Contents

Compatibility with the Adam Alarm System

The AdamAlrm driver allows North to interface with the Adam Communication Systems International alarm receiver system.

The driver routes North-format alarms to the Adam system for translation and processing. Values from the Adam alarm receiver system are not accessible.

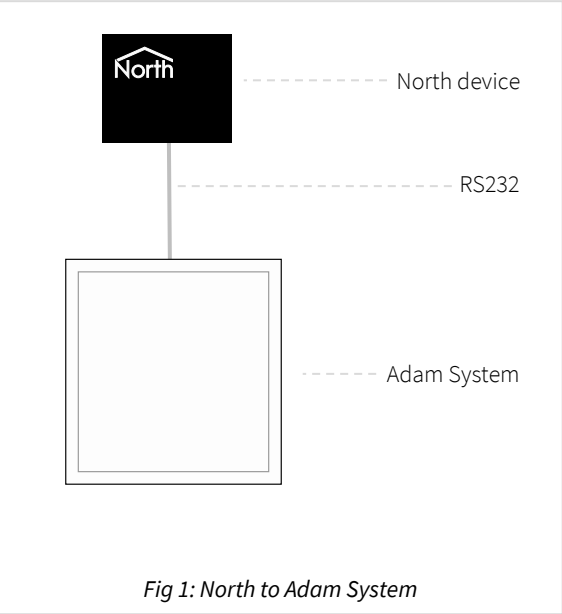

Fig 1: North to Adam System

Equipment

Compatible with Adam Communication Systems International alarm translation module.

Values

The driver cannot access values from the alarm receiver.

Only North-format alarms can be routed to the Adam alarm receiver.

Prerequisites

The Adam alarm receiver requires configuring to translate the North-format alarm message strings to an output relay or another alarm message.

Using the Driver

On ObSys, the AdamAlrm driver is pre-installed. On Commander, the driver is available to download in the file 'Bank15 AdamAlrm.cdm'. On all of these North devices, you can use the driver to create an interface to Adam. Once started, you will need to set up the driver before it can communicate with the Adam alarm receiver.

Making the Cable

Using the RS232 cable specification, connect the North Device COM port to the Adam RS232 port. Connector types at each end of the cable are shown.

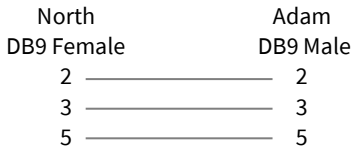

Fig 2 North to Adam cable

The maximum RS232 cable length is 15m and should be as short as possible.

Starting the Interface

To start an interface using the AdamAlrm driver, follow these steps:

- **Start Engineering** your North device using ObSys
- Navigate to **Configuration, Interfaces,** and set an unused **Interface** to 'AdamAlrm' to start the particular interface
- Navigate to the top-level of your North device, then rescan it

The driver setup object (Mc), labelled **AdamAlrm Setup**, should now be available. If this object is not available, check an interface licence is available and the driver is installed.

Setting up the Driver

To set up the driver, follow these steps:

- Navigate to the **AdamAlrm Setup** object (Mc). For example, if you started interface 1 with the driver earlier, then the object reference will be 'M1'
- Set the **RS232 Com Port** (RS.COM) to select which serial port on the North Device is connected to the Adam device.
- Set the **Baud Rate** (RS.BR) to match that of the device.

Object Specifications

Once an interface is started, one or more extra objects become available within the top-level object of the device. As with all North objects, each of these extra objects may contain sub-objects, (and each of these may contain sub-objects, and so on) - the whole object structure being a multi-layer hierarchy. It is possible to navigate around the objects using the ObSys Engineering Software.

Each object is specified below, along with its sub-objects.

Example Object Reference

An example of a reference to an object in the same device: the Adam Alarm Device (S1) contains an Alarm to process (ALARM). Therefore, the complete object reference is 'S1.ALARM'.

An example of a reference to an object in a different device: the IP network object (IP) contains Default Commander object (CDIP), which contains the object above (S1.ALARM) – therefore the complete object reference is 'IP.CDIP.S1.ALARM'.

Device Top-Level Objects

When an interface is started using the AdamAlrm driver, the objects below become available within the top-level object of the device. For example, if interface 1 is started, then the object references 'M1' and 'S1' become available.

Description	Reference	Type
AdamAlrm Setup Set up the AdamAlrm driver, started on interface *c* (*c* is the interface number)	M*c*	Fixed Container: On the Commander platform this will be *[CDM v20\AdamAlrm v10]* On the ObSys platform this will be *[OSM v20\AdamAlrm v10]*
Adam Alarm Device Access AdamAlrm system connected to interface *c* (*c* is the interface number)	S*c*	Fixed Container: *[AdamAlrm v10]*

AdamAlrm Driver Setup

Object Type: *[OSM v20\AdamAlrm v10]*
Object Type: *[CDM v20\AdamAlrm v10]*

The AdamAlrm driver setup contains the following objects:

Description	Reference	Type
RS232 COM Port	RS.COM	Obj\Num:1…8; Adjustable
Baud Rate	RS.BR	Obj\Num; Adjustable Values: 1200 2400, 4800 and 9600

Adam Alarm System

Object Type: *[AdamAlrm v10]*

The Adam system allows North-format alarms to be delivered to the Adam alarm receiver.

Route alarm events to the ALARM object for processing by Adam.

Description	Reference	Type
Alarm to process	ALARM	Obj\Alarm; Adjustable-only

Driver Versions

Version	Build Date	Details
1.0	14/01/2000	Driver released
1.0	06/02/2012	Released for Commander v2

Next Steps…

If you require help, contact support on 01273 694422 or visit *www.northbt.com/support*

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