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## Quick Installation Guide

# V2000 READER INTERFACE / ACCESS CONTROLLER

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Document Version 1.6

October 5, 2006

Document Number 6080-906B.4

## Contents

<b>QUICK START, VERTX (CS) V2000 .....</b>	<b>1</b>
<b>Introduction .....</b>	<b>3</b>
Parts List .....	3
Product Specifications .....	3
Cable Specifications .....	3
<b>Overview .....</b>	<b>4</b>
<b>Step 1 Connect.....</b>	<b>5</b>
1.1 What you need before getting started .....	5
1.2 V2000.....	5
1.3 Mounting Instructions.....	5
1.4 Wiring VertX.....	5
<b>Step 2 Contact.....</b>	<b>9</b>
2.1 Discovery Client.....	9
2.2 Virtual Port .....	10
<b>Step 3 Configure .....</b>	<b>10</b>
3.1 VertX Communications .....	10
<b>Step 4 Communicate .....</b>	<b>12</b>
<b>Appendices .....</b>	<b>12</b>
Trouble-shooting.....	12
Firewall .....	14
Central Station Automation Provider Instructions.....	14
<b>Contact Information.....</b>	<b>15</b>
<b>Configuration Checklist - Static .....</b>	<b>18</b>

## Introduction

VertX™ CS is the first family of access controllers designed specifically for alarm dealers for direct connection to central stations. Because it was designed with the central station in mind, VertX CS works with software from leading central station automation providers, including Bold Technologies, DICE, Micro Key, and Patriot Systems.

The V2000 is designed to control two sets of door devices (such as two-doors, two-readers, door contact inputs and relays) as well as manage communications with the central station automated software.

## Parts List

Description	Quantity
VertX™ V2000 Reader Interface/Access Controller <b>Note:</b> The V2000 controller has a plastic base and is covered with a Plastic or Mylar cover.	1
- Lithium Battery	1
- Mounting screws	4
- 2.2K EOL resistors	8
- Quick Installation Guide	1
- Installation Wiring Diagram Example	1

## Product Specifications

Description	Specification
Power Supply	12-16VDC
Maximum current at 12VDC per V2000	1 Amp
Maximum current supplied to reader port	350mA per reader
Average operating current at 12VDC	625 mA (with two R40 <i>iCLASS</i> Readers)
Operating temperature range	32°-122°F (0°-50°C)
Humidity	5% to 95% non-condensing

## Cable Specifications

Cable Type	Length	Specification
Input Circuits *	500 feet (150 m)	2-conductor, shielded, using ALPHA 1292C (22AWG) or Alpha 2421C (18AWG), or equivalent.
Output Circuits *	500 feet (150 m)	2-conductor, using ALPHA 1172C (22AWG) or Alpha 1897C (18AWG), or equivalent.
Wiegand	500 feet (150 m) to reader	ALPHA 1299C, 22AWG, 9-conductor, stranded, overall shield. Fewer conductors needed if all control lines are not used.
Ethernet	328 feet (100 m)	Cat5, Cat5E, and Cat6
Power Supply +12 VDC IN	----	Refer to your Power Supply Installation Guide.

\* Minimum wire gauge depends on cable length and current requirements.





























