Installing the IMS2000 Controller

Power Booster Connector, needed only if more than 50 Halotiles are connected

Halotile Connector

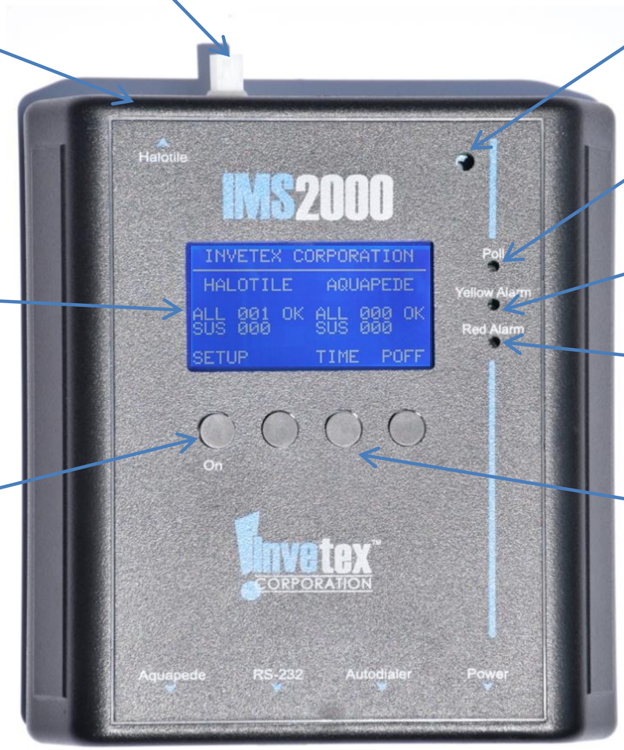
Audio Alarm Port

BLUE Poll LED

YELLOW Alarm LED

Main Display

RED Alarm LED



Halotile
IMS2000
INVETEX CORPORATION
HALOTILE AQUAPEDE
ALL 001 OK ALL 000 OK
SUS 000 SUS 000
SETUP TIME POFF
Poll
Yellow Alarm
Red Alarm
On
Invetex
CORPORATION
Aquapede
RS-232
Autodialer
Power

ON Switch

Function Switches (4)

Power Supply Connector (5V)

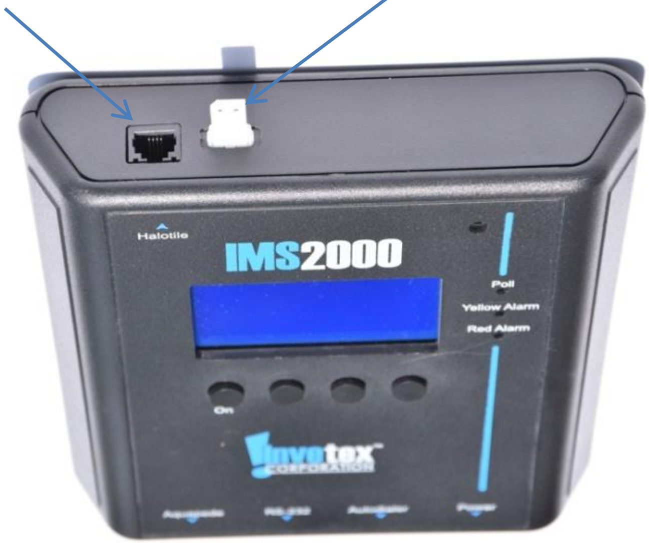
Aquapod Connector

RS232 Connection (9D)

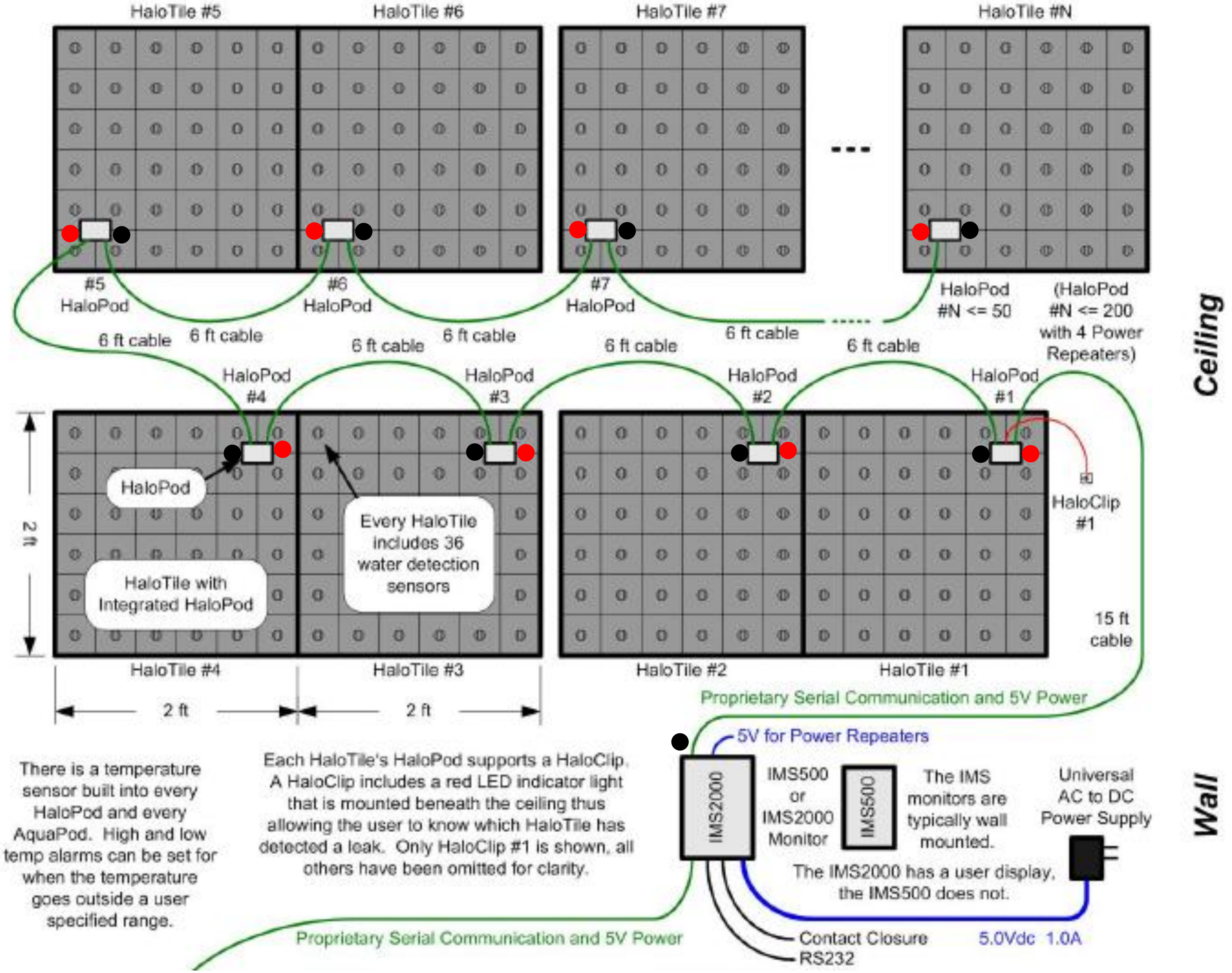
Two Dry Contact Relay Connections

Power Booster Connector, only needed if more than 50 Halotiles are connected

First Halotile Connection, end of the cable that is NOT marked


Halotile
IMS2000
Poll
Yellow Alarm
Red Alarm
On
Invotex
CORPORATION
RS-232
Autodialer
Power

IMS 2000, Top End View, Halotile Connections


HaloTile #5
HaloTile #6
HaloTile #7
HaloTile #N
#5 HaloPod
#6 HaloPod
#7 HaloPod
HaloPod #N <= 50
(HaloPod #N <= 200 with 4 Power Repeaters)
6 ft cable
6 ft cable
6 ft cable
6 ft cable
6 ft cable
6 ft cable
6 ft cable
HaloPod #4
HaloPod #3
HaloPod #2
HaloPod #1
Ceiling
HaloPod
HaloTile with Integrated HaloPod
HaloClip #1
2 ft
15 ft cable
HaloTile #4
HaloTile #3
HaloTile #2
HaloTile #1
2 ft
2 ft
Proprietary Serial Communication and 5V Power
5V for Power Repeaters
IMS2000
IMS500 or IMS2000 Monitor
IMS500
Universal AC to DC Power Supply
Wall
Contact Closure
RS232
5.0Vdc 1.0A
Proprietary Serial Communication and 5V Power

Every HaloTile includes 36 water detection sensors

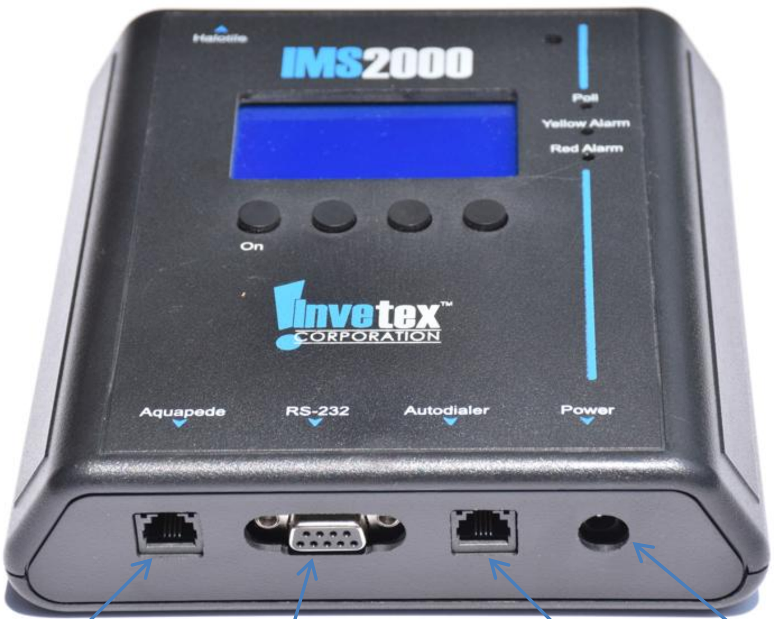
There is a temperature sensor built into every HaloPod and every AquaPod. High and low temp alarms can be set for when the temperature goes outside a user specified range.

Each HaloTile's HaloPod supports a HaloClip. A HaloClip includes a red LED indicator light that is mounted beneath the ceiling thus allowing the user to know which HaloTile has detected a leak. Only HaloClip #1 is shown, all others have been omitted for clarity.

The IMS monitors are typically wall mounted.

The IMS2000 has a user display, the IMS500 does not.

Halotile Installation Block Diagram


IMS2000
Poll
Yellow Alarm
Red Alarm
On
Invetex™
CORPORATION
Aquapede
RS-232
Autodialer
Power

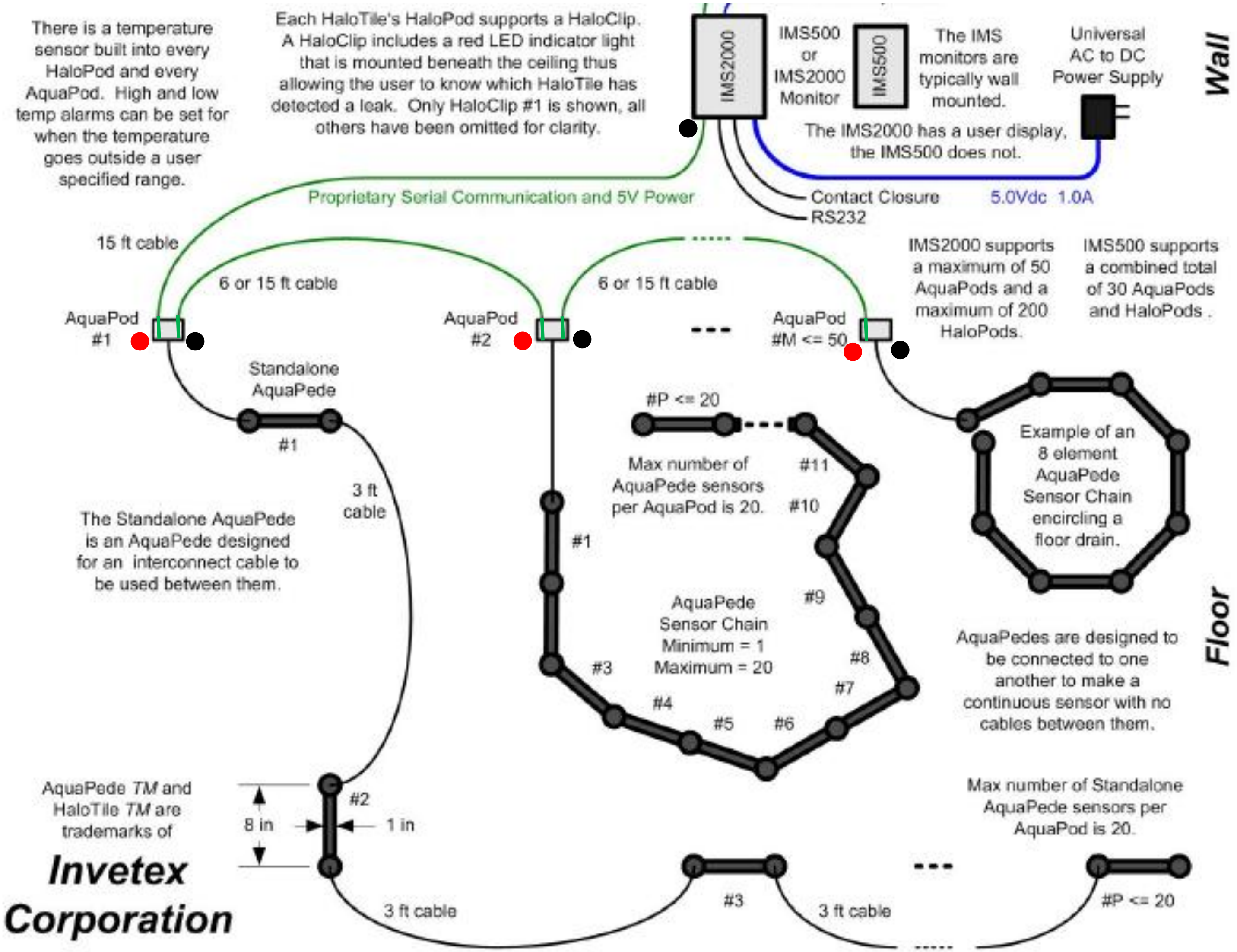
First Aquapod Connection, end of the cable that is NOT marked

RS232 Connection (DB9)

Two Dry Contact Relay Connections

Power Supply Connector (5V)

IMS 2000, Bottom End View, Aquapod, RS232, Dry Contact Relays, and Power Connections


IMS2000
IMS500 or IMS2000 Monitor
IMS500
Universal AC to DC Power Supply
Wall
Proprietary Serial Communication and 5V Power
Contact Closure
RS232
5.0Vdc 1.0A
15 ft cable
6 or 15 ft cable
6 or 15 ft cable
AquaPod #1
AquaPod #2
AquaPod #M <= 50
Standalone AquaPede
#1
3 ft cable
#P <= 20
#11
#10
#1
#9
#3
#8
#7
#4
#5
#6
Example of an 8 element AquaPede Sensor Chain encircling a floor drain.
AquaPede Sensor Chain Minimum = 1 Maximum = 20
Floor
#2
8 in
1 in
3 ft cable
#3
3 ft cable
#P <= 20
Invetex Corporation

There is a temperature sensor built into every HaloPod and every AquaPod. High and low temp alarms can be set for when the temperature goes outside a user specified range.

Each HaloTile's HaloPod supports a HaloClip. A HaloClip includes a red LED indicator light that is mounted beneath the ceiling thus allowing the user to know which HaloTile has detected a leak. Only HaloClip #1 is shown, all others have been omitted for clarity.

The IMS monitors are typically wall mounted.

The IMS2000 has a user display, the IMS500 does not.

IMS2000 supports a maximum of 50 AquaPods and a maximum of 200 HaloPods.

IMS500 supports a combined total of 30 AquaPods and HaloPods .

Max number of AquaPede sensors per AquaPod is 20.

The Standalone AquaPede is an AquaPede designed for an interconnect cable to be used between them.

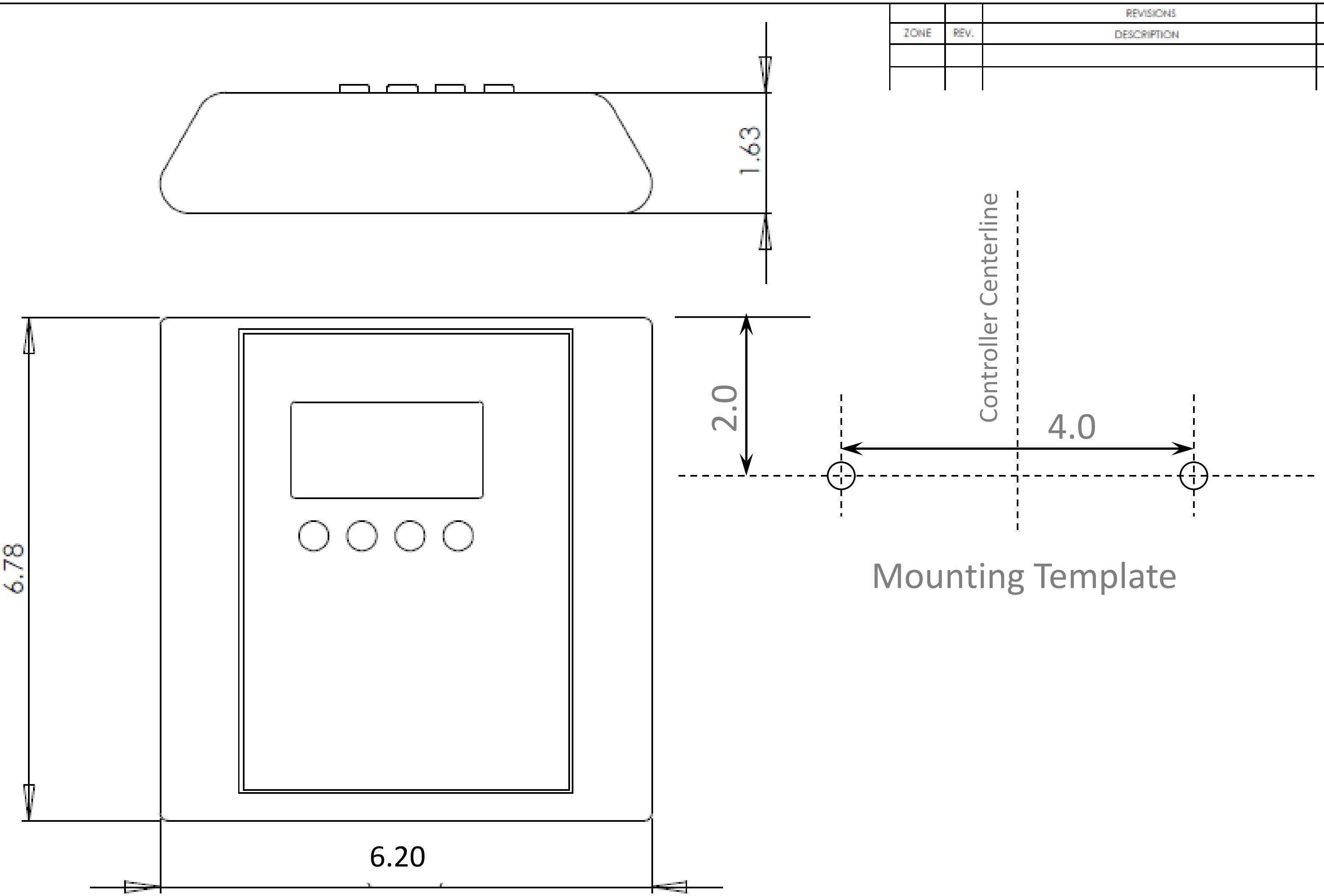
AquaPedes are designed to be connected to one another to make a continuous sensor with no cables between them.

AquaPede *TM* and HaloTile *TM* are trademarks of

Max number of Standalone AquaPede sensors per AquaPod is 20.

Aquapod and Aquapede Block Diagram

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



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NEXT ASSY	USED ON
APPLICATION	

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL±
ANGULAR: MACH± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

MATERIAL --

FINISH --

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

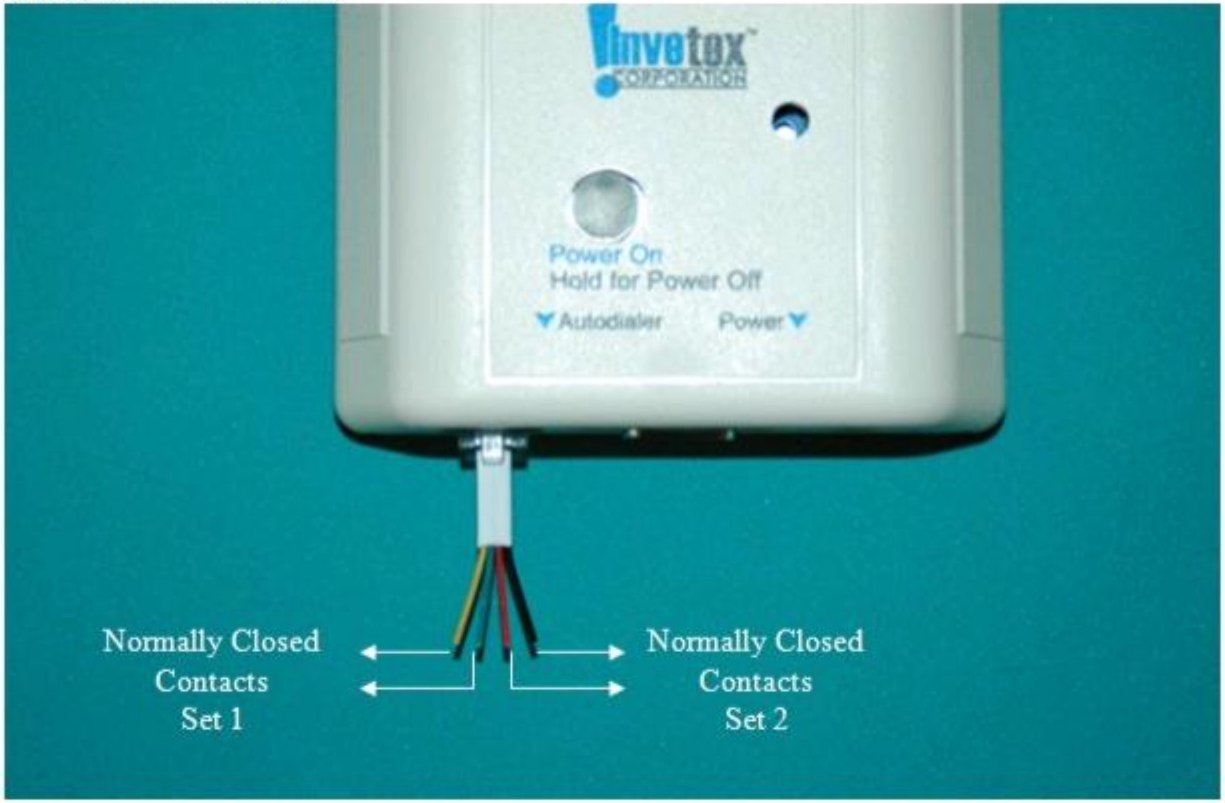
Invetex Corporation

IMS 2000 Controller

SIZE A
DWG. NO. INV900000
REV A
SCALE:1:2
WEIGHT:
SHEET 1 OF 1

Contact Closures

The "Autodialer" port on the bottom of the Master Controller Box is a standard RJ-11 connection that is designed to support two pairs of contact closures. One pair is designated as Red Alarm and the second as Yellow Alarm. These can be connected to alarm systems. The contacts are NC (normally closed) when the controller is not alarming. When the controller enters the alarm state, both sets of contacts open. (These contacts are low current and cannot directly drive shut off valves or other high power devices.) If you use Inventex™ color-coded connecting cables, the red and black lines are to the yellow alarm and the yellow and green lines are the red alarm contacts.


Invetex™
CORPORATION
Power On
Hold for Power Off
Autodialer
Power
Normally Closed Contacts Set 1
Normally Closed Contacts Set 2

Any line connecting the Master Controller Box and an alarm system should be less than 75 feet, unless otherwise approved by your alarm service provider.