

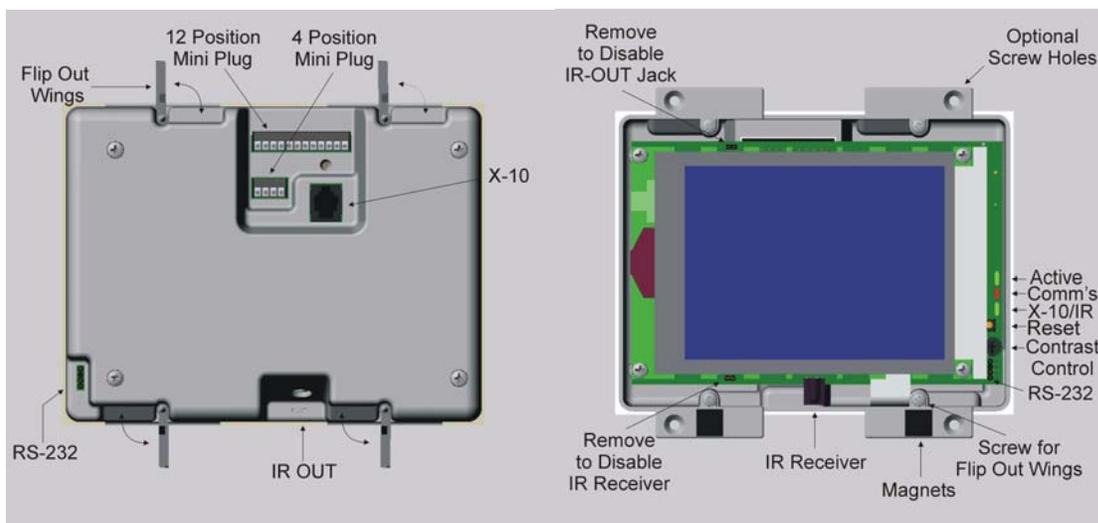
# [LEOPARD II]

## Installation Guide

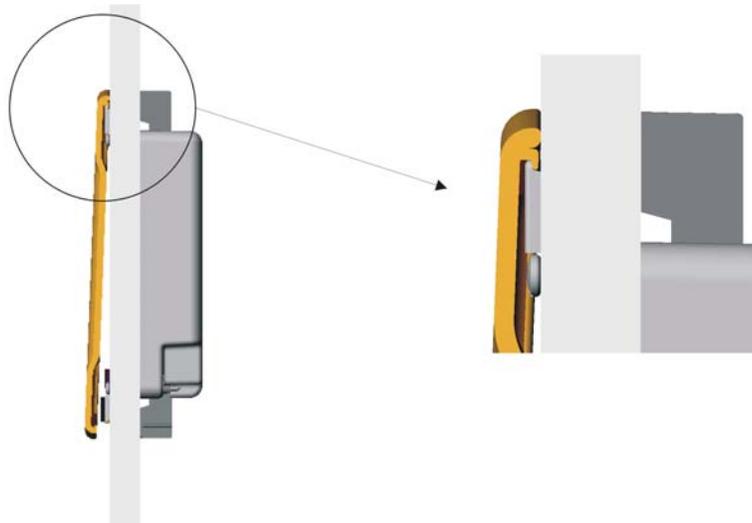
The Leopard II requires an opening of 7 3/8" in width by 5 5/8" in height for the proper flush mount fit. The actual size of the back case unit is 7 1/4" x 5 1/2". Use the template provided to cut out the mounting hole for the case.

Be careful when choosing your mounting location to avoid high voltage lines as they may cause problems with the electronics and communication of the equipment. Never bundle the communication or low voltage wiring with high voltage wiring as this may cause communication problems. Another consideration when choosing a mounting location is the need of getting the 12-volt, Input/Output and communication wire to the Leopard II. Depending on the wiring configuration you choose to use, you will need at least two sets of wires. The wiring options will be discussed later in this document.

The back case can be mounted in a wide variety of materials with either the flip-out wings or the optional 4 holes provided in the case. Using the flip-out wings, the mounting material thickness can be between 1/4" to 1". Be sure to leave 1" of clearance top and bottom inside the wall or cabinet for the flip out wings to achieve the final vertical position. To avoid damage to the electronics and the plastic material all mounting surfaces should be completely finished before the final installation of the Leopard II. Keep an unobstructed surface area 1" around the mounting opening to ensure the proper fit of the faceplate.



Once you have located the desired mounting location for the Leopard II and have cut out the mounting hole with the provided template, it is time to check the fit of the case. Use a #2 Philips screwdriver turning in a clockwise direction to tighten the four screws attached to the flip out wings. Be careful not to over-tighten the screws, as this will cause damage to the wing and the case. If you choose to use the optional mounting holes provided, the screw head must be of the flat head design. The head of the screw must be flush or below the surface of the mounting tabs. If not, it will cause interference with the fit of the faceplate. The optional hole is based on the head of a Drywall screw. Be sure to attach all of the needed wires before final installation. You can remove the Leopard II from the wall using the flip-out wing. Loosen all of them in a counter-clockwise direction. Be careful not to loosen them too much or the wings will fall off in to the wall. If the screw starts to back out of case just push them in until the head is flush. The top two will lay back down in the horizontal recess. The bottom ones may not flip back so tilt the top of the case out first, which will allow you to remove the unit.



To complete the installation, choose one of the provided faceplates. Hold it by the bottom two corners with your thumb and index fingers. Touch the top of the faceplate slightly above the top tabs letting the faceplate slide down until the hooks catch. Then lower the bottom corner down until the faceplate is flush with the surface. The magnets will hold the faceplate closed.

The Leopard II has several different wiring options depending on what devices you want to control. The #1 requirement is supplying it with 12-volt power. The Leopard II requires either a 12-volt AC or DC 1Amp(1000mA) power supply. The typical installation uses the power supply plugged into a wall outlet and the 12-volt wire ran through the wall to the unit. The wire may be extended with 18-gauge wire up to 100 ft. The 12-volt power is connected to the 4-position mini plug on the back of the Leopard II.

A 3/32" slotted screwdriver is required for this plug. When you are looking at the back of the Leopard II with top up, the power will be the left two terminals of the 4-position plug. Polarity of the power wires is not important for this unit.

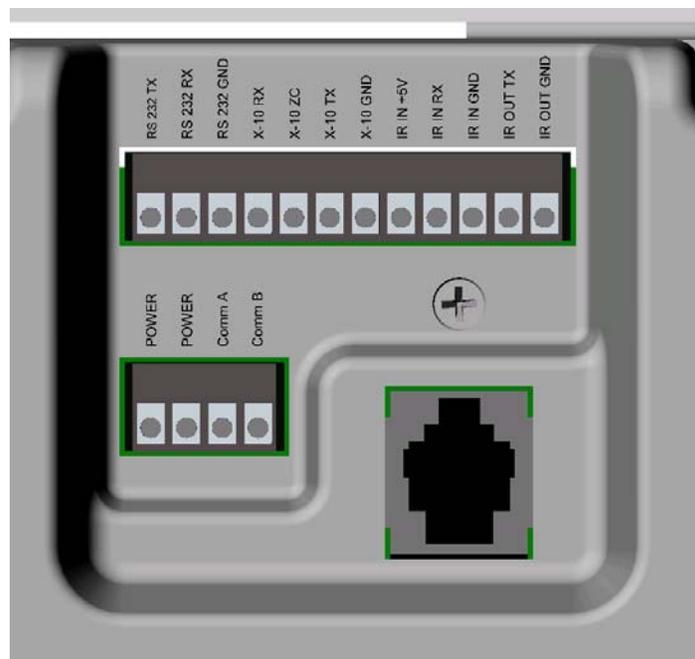
The right two places of the 4-position mini plug are used for the Adicon 2500 RS-485 communications. The inside one is Comm A and the outside is Comm B. A 3/32" slotted screwdriver is required for this plug. These wires would be hooked to one of our Adicon 2500 modules Comm A and Comm B in a daisy chain.

The RJ11 jack is for the X-10 communications. Hook the supplied RJ11 cable into the jack, and then plug the other end to a PSC05 or TW523 X-10 interface.

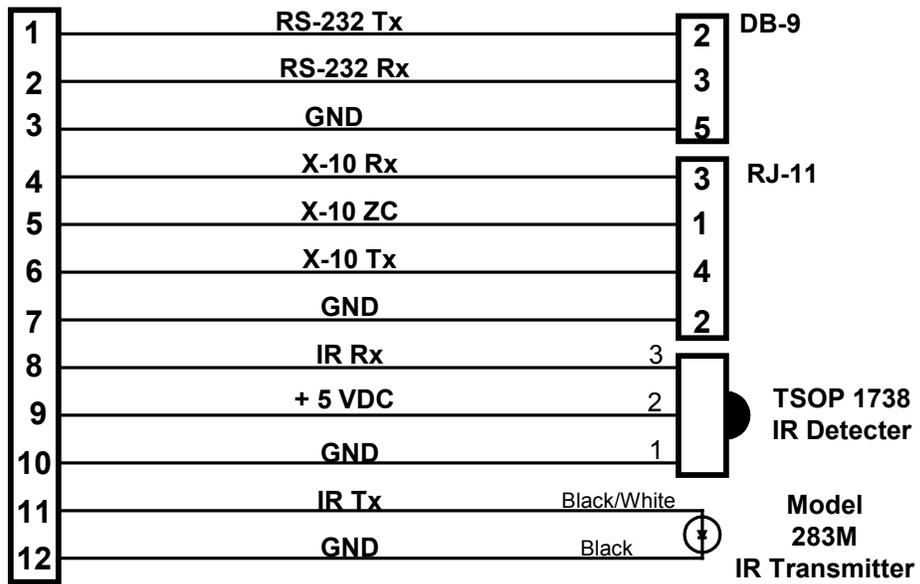
The IR out jack is located on the bottom of the Leopard II. It is for a standard 5v mini IR emitter. The built in IR receiver is located in the bottom middle of the faceplate.

There are two places to hook up the supplied RS-232 cable. The first one is under the faceplate in the bottom right hand corner. It is a 3-pin header that is keyed to fit the small end of the cable. The other one is in the back of the unit in the bottom left hand corner. These headers are in parallel and only one can be used at a time.

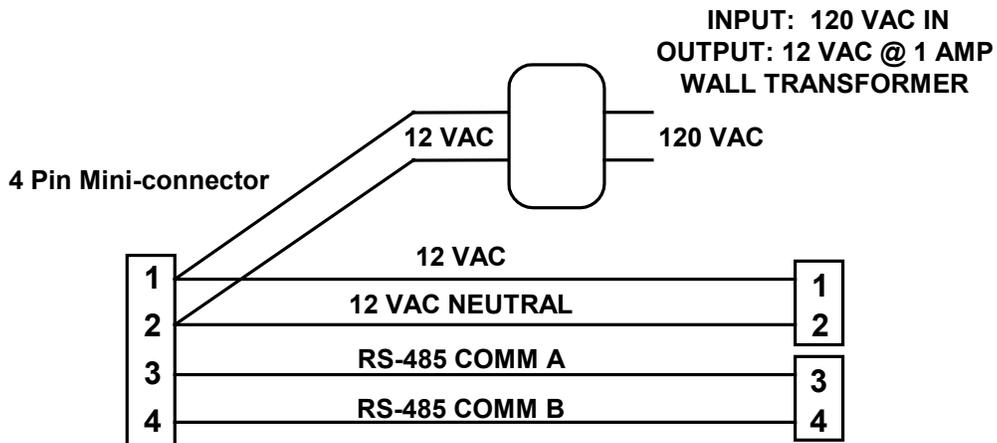
The Leopard II also has a 12-position mini plug. It includes a RS-232, X-10, IR in and IR out, all in one plug. This plug is configured to use two Cat-5 cables. The left 8 positions would use one Cat-5 cable. The other four and the Comm A & B of the 4-position mini plug would use the other Cat-5 leaving two spares. The 12-volt power should be run as a separate cable. These cables can be bundled together. This allows for all of the connections to be run to a remote location. Refer to the wiring diagram for the pin out of the cable. A 3/32" slotted screwdriver is required for this plug.



12 Pin Mini-connector



## SIGNAL CABLE



## POWER & COMM CABLE

# LEOPARD II INTERFACE CABLES

*Print is Not to Scale*

7.3750  
Cut Out  
Area

Ø0.1870  
Drywall Screw

5.6250  
Cut Out  
Area

5.5000  
Unit Size

6.0000

5.1750

7.2500  
Unit Size

