

How to Retrofit an XL Data Logger with the YSIT-1 when Connected to an H-2221

Purpose:

This document contains instructions on how to replace an H-2221 satellite transmitter with the YSIT-1 GOES satellite transmitter (PN: 615100), when paired with an XL data logger.

1. Disconnect all cables from the H-2221 transmitter.
2. Remove the RS-232 cable from the XL data logger that was connected to H-2221 transmitter.
 - **NOTE:** This cable is NOT required when using the YSIT-1 transmitter with the XL data logger. You may discard the cable or keep it for future use.
3. Replace the H-2221 transmitter with the YSIT-1 transmitter.
4. Reconnect:
 - The existing GPS Antenna Cable Assembly to the YSIT-1 transmitter's "GPS" connector
 - The existing GOES Antenna Cable Assembly to the YSIT-1 transmitter's "ANTENNA" connector
 - The existing Power Cable Assembly to the YSIT-1 transmitter's "POWER IN" connector
5. Connect the RS-232 Male/Female Coupler (PN: 360420) to the male end of the new 9-pin Male/Female RS-232 Cable Assembly (PN: 360422).
6. Connect the new sub-assembly (PN: 360420 and 360422) to the RS-232 connector on the XL data logger and then connect the other end of the sub-assembly to the RS-232 connector on the YSIT-1 transmitter.
 - **NOTE:** There is no technical difference whether the male/female coupler is connected to the XL or the YSIT-1. The choice can be based on the specific fitment restrictions of the



Figure 1: YSIT-1 GOES Satellite Transmitter

You Will Need:

- YSIT-1 Retrofit Kit for Storm 3 & XL Series Data Loggers (PN: 910083)
 - 9-pin Male/Female RS-232 Cable Assembly (PN: 360422)
 - Male/Female Coupler (PN: 360420)

SEE EXAMPLE IMAGES ON NEXT PAGE



BEFORE RETROFIT:

Power Cable

GOES Antenna Cable

RS-232 Cable (Old)

GPS Antenna Cable



Figure 2: H-2221 Satellite Transmitter connected to an XL Data Logger

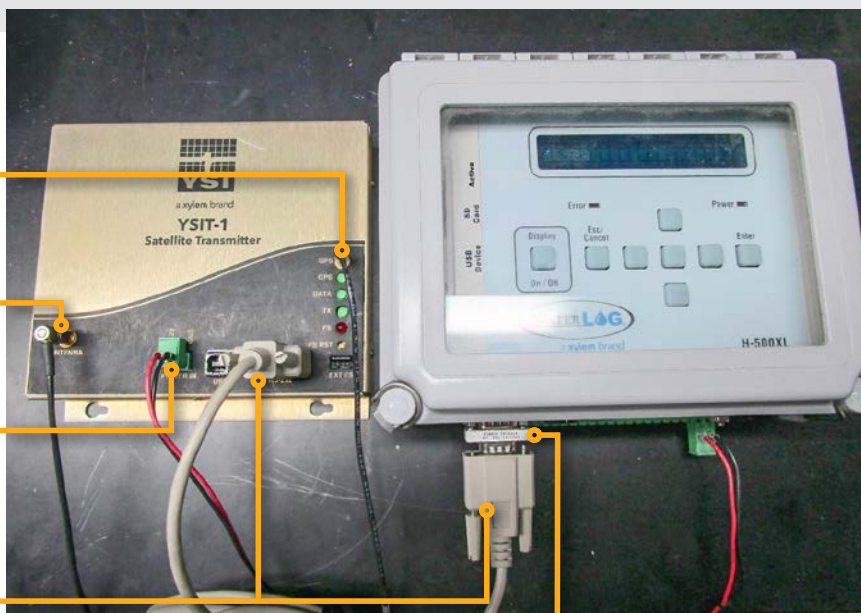
AFTER RETROFIT:

GPS Antenna Cable
(Existing)

GOES Antenna Cable
(Existing)

Power Cable
(Existing)

RS-232 Cable
(PN: 360422)



Male/Female Adapter
(PN: 360420) in RS-232



Figure 3: YSIT-1 GOES Satellite Transmitter connected to an XL Data Logger

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