



2036 Fillmore Street
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REPEATER

Part # 1043

WARRANTY AND DISCLAIMER

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Repeater Instructions

The Repeater allows one Control Head to control two Display Boards. A Repeater is needed since both the Control Head and the Display Board are transceivers. Transceivers send data both directions when communicating with each other. For this reason a phone jack splitter will not work. The Repeater is installed between the Control Head and the two Display Boards. When a data transmit cycle is started, the E.T. is sent from the Control Head to the Repeater. Once the Repeater has received and verified the information the Repeater replies to the Control Head that the data has been received. At the same time, the Repeater is also forwarding the information to both Display Boards. If both Display Boards respond that they have received good data the transmit cycle is complete. However if either or both of the Display Boards reply that they did not receive good data, the Repeater will instruct the Control Head to resend the data.

Wiring

Use the supplied two telephone cords to connect the Control Head to the Repeater, and from the Repeater to one of the Display Boards. The other Display Board should have come with its own phone cord and be connected to the Repeater. If desired, these cords can be shortened to any desired length, using standard hand tools found at home hardware stores. Replacement or longer cords can also be found at home hardware stores. When purchasing, just make sure the new crimp end, or the new telephone cord has six conductors.

All four devices, the Control Head, Repeater, and both Display Boards require +12Volts and Ground. The Control Head and the Repeater both have labeled terminal strips for power and ground connections. The Display Boards require +12 Volts connected to the red wire and Ground connected to the brown wire.

Control Head Error Messages

Error Message “No Board”

The “No Board” error message means that the Control Head cannot find one or more of the devices that are supposed to be connected to it. This can be caused by one of the phone cords not being plugged in. Another possibility is either the Repeater or one of the Display Boards does not have power. The easiest way to verify that the Display Boards have power is to check and see if both Display Boards are displaying something. If not and the power is turned on, check the power and ground wires for voltage, to make sure they have not become damaged or disconnected. If both Display Boards have voltage and are displaying at least the dashes, check to see if the Repeater has voltage at the terminal strip.

If all the units have power and “No Board” is being displayed on the screen, or if switching back and forth from “No Board” to “Sending” on the screen, there is a communication error, the problem is usually with the one of the phone cords. First make sure all three phone cords are still plugged in. If the phone cords are plugged into all the units, follow each phone cord looking for damage to the cord. Once the problem is found and fixed the Control Head will automatically send the last dial time to the Display Board and then enter into Run Mode.

Error Message “Com Fail”

The “Com Fail” error message means that the information sent from the Control Head to the Repeater was corrupted in some way. If a “Com Fail” error message occurs the Control Head will continue to resend the data every 3 seconds. If repeated “Com Fail” messages occur it could mean a damaged phone cord, try replacing the phone cord with a new one.

If the above Error Message instructions do not solve the problem, please call Digital Delay at 563-324-1046 for further help.