

DigiTRAK®

Requirements for Mark III and Eclipse® Cable Transmitter Systems

CABLE SYSTEM COMPONENTS

- DigiTrak® Mark III or Eclipse® Receiver
- DigiTrak® Mark III or Eclipse® Cable-Ready Remote Display
- DigiTrak® Mark III or Eclipse® Power Supply
- DigiTrak® Mark III or Eclipse® Cable Transmitter
- DCI Extraction/Insertion Tool (to remove and install cable transmitter in drill housing)
- DCI Replaceable Wire Kit

DRILL AND TOOLING MANUFACTURER ITEMS

Contact your drill or drill housing manufacturer for details and to obtain the following items:

- 12 or 24 V DC power source
- Collector-ring or slip-ring assembly or mud swivel
- Pack-off (compression fitting) for drill housing
- Pack-off (compression fitting) for collector ring or mud swivel (to bring the wire out of the drill pipe)
- Rear-load housing

MISCELLANEOUS ITEMS

- 10-gauge copper oil/water-resistant wire
- 10-12 gauge butt-splice connectors (crimps) with heat shrink or 10-12 gauge butt-splice connectors with heat shrink tubing
- Noalox or other deoxidizing inhibitor
- Heat gun or propane torch
- Crimpers
- Wire strippers

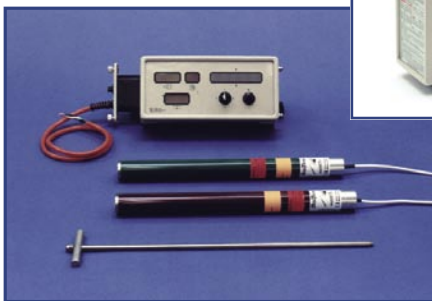


Eclipse® Receiver (right) and Cable System (above), showing, from top, Cable-Ready Remote Display with Power Supply, Cable Transmitter, and Extraction/Insertion Tool



TECHNICAL TIPS

- ☑ Use heat shrink tubing over the butt splice to ensure no mud or water intrusion into the splice. The heat shrink tubing will also help the strength or integrity of the splice.
- ☑ Use a deoxidizing inhibitor such as Noalox inside the crimp.
- ☑ An additional 8 to 10 minutes can be expected per drill stem due to splicing. An experienced crew may reduce this time significantly.
- ☑ Consistency is key—have the same person, with good dexterity, make the splices.
- ☑ Remember, one bad connection can mean the difference between success and failure.
- ☑ Refer to your DigiTrak® System *Operator's Manual* for complete information about the Cable System.



Mark III Remote Receiver (above) and Cable System (left), showing, from top, Cable-Ready Remote Display with Power Supply, Standard and Sensitive-Pitch Cable Transmitters, and Extraction/Insertion Tool



Headquarters
19625 62nd Ave. S., Suite B-103
Kent, Washington 98032 USA
Tel 800-288-3610 / 425-251-0559
Fax 253-395-2800
E-mail DCI@digital-control.com

Europe +49-9394-990-990 | DCI.Europe@digital-control.com
Australia +61-7-5531-4283 | DCI.Australia@digital-control.com
India +91-172-464-0444 | DCI.India@digital-control.com
China +86-21-6432-5186 | DCI.China@digital-control.com
Russia +7-843-277-52-22 | DCI.Russia@digital-control.com

www.digitrak.com