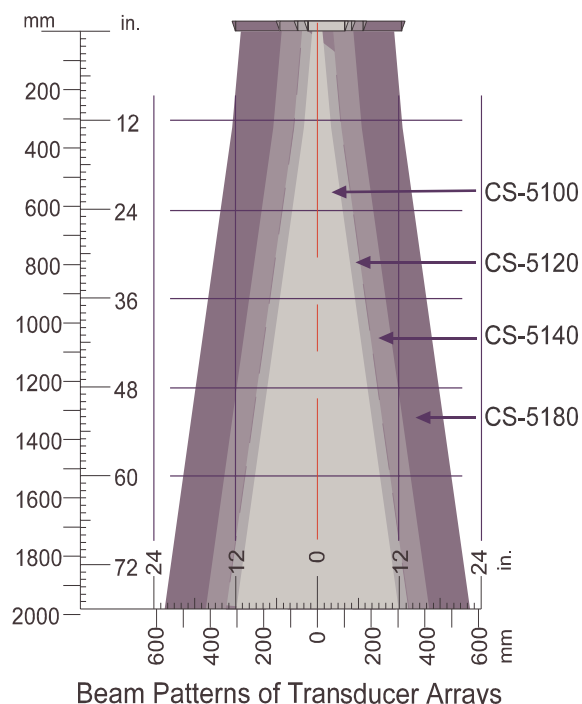


SPECIFICATIONS

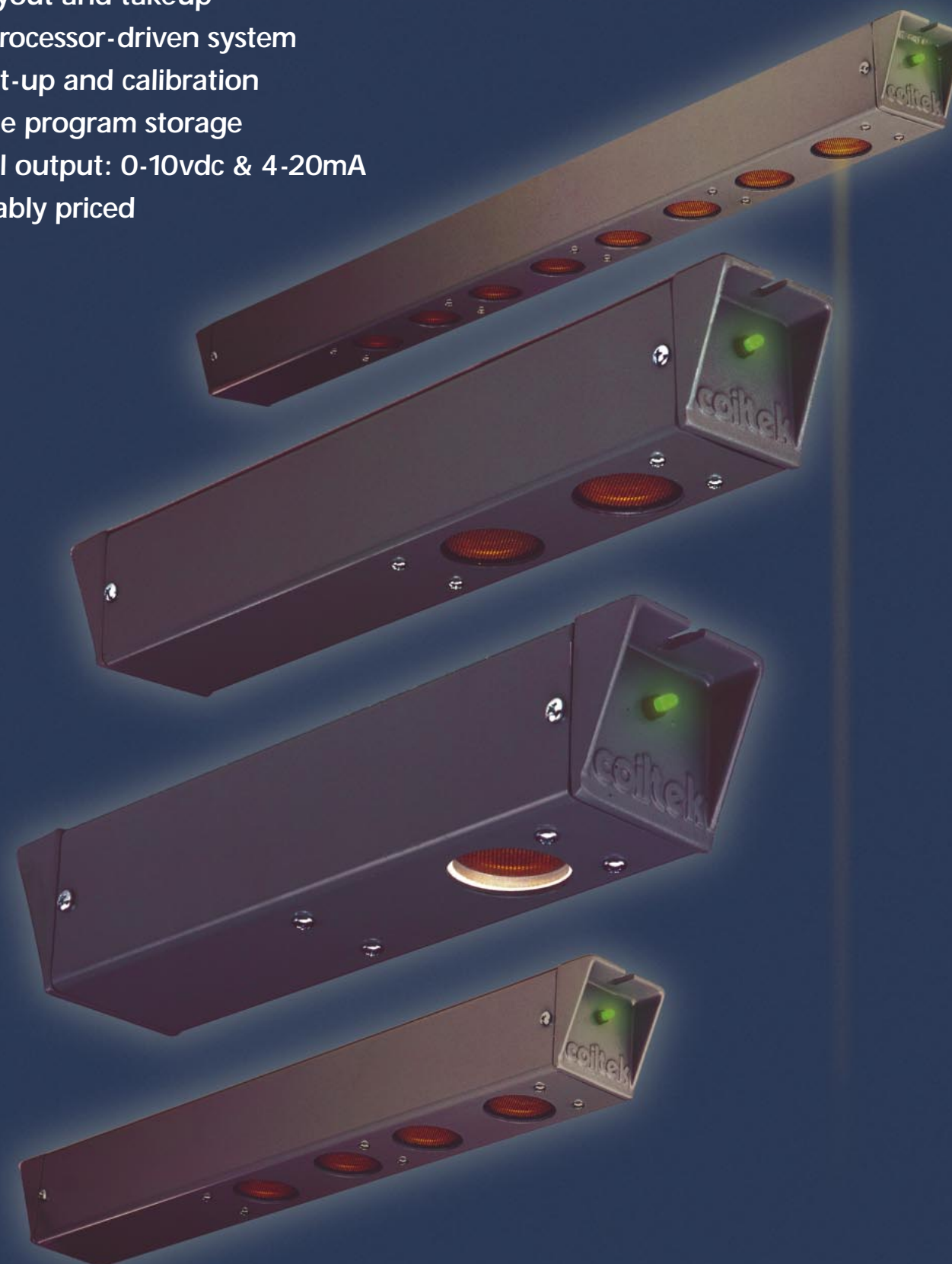
- Targets:** Senses most materials. Sees 0.100 in. (2.5mm) wire up to 50 in. (1.3 M) away; 1.0 in. (25.4 mm) strip out to 253 in. (6.4M).
- Setup:** Basic loop control parameters with self-contained switches. PC interface allows refined setup. (Download free software from web or purchase from your dealer.) Program up to 8 separate control programs in EEPROM memory. Select 4 stored programs with remote switch or PLC.
- Range:** 6 in. (152 mm) to 360 in. (6.4 M) from the sensing head.
- Control Span:** (Output signal varies over this distance.) Basic settings are 5 to 40 in. (127 to 1016 mm) set in 5-in. increments. Control Span lies anywhere within the 6 to 260-in. range. Using PC program Control Span from 1 in. (25 mm) to 354 in. (9 M) in 1-in. increments.
- Resolution:** Analog or Digital. 0.0068 in. (0.171 mm) @ 68F.
- Arrays:** CS-5120, CS-5140 & CS-5180 (two-, four- & eight-element arrays) increase the sensing area as shown in the illustration.
- Output:** 0-12 vdc or 4-20 mA (scalable). Output is linear, proportional to target position within the Control Span. Switch inverts signal for takeup or payout operation. Outputs are fully isolated and short-circuit proof.
- Trim Control:** Input a master line speed signal (0-5 vdc). CS-5000 Series Controls will trim or scale the input signal proportional to loop position. Stabilizes high-speed processes.
- Relays:** Three NO/NC relay outputs: NEAR, FAR, and CONTROL. Normally, NEAR and FAR relays trip at the Control Span limits and the CONTROL relay is inactive. With PC setup, user can set NEAR trip point anywhere within the range, and also program the CONTROL relay. The CONTROL relay can turn ON at one preset distance and OFF at another.
- Multi-strip Use:** Up to four units will work side by side with no "crosstalk" interference. Simple setup for multiplex operation.
- Computer Interface:** Coiltek® software communicates via standard RS-232 interface with IBM compatible PC (VGA or better graphics). Separate data output channels adapt CS-5100 Series Control to process monitoring or central process control.
- Power:** 120 or 240 vac, 1phase, 20 watts.
- Housing:** Hinged cover NEMA-12 enclosure. Knockout provided for cabling.
- Cabling:** 15 ft. [4.6 M] cable is supplied. Special cables can be ordered up to 40 ft. [12.2 M].
- Environment:** Temperature 32° to 184°F (0° to 70°C) Humidity 5% to 98% (non-condensing).
- | | CS-5100 | CS-5120 | CS-5140 | CS-5180 |
|---------------------|----------------|----------------|----------------|----------------|
| Ship Weight: | 17 lb (7.9 kg) | 18 lb (8.2 kg) | 19 lb (8.6 kg) | 21 lb (9.5 kg) |



Ultrasonic Loop Controls

CS-5100 Series

- For payout and takeup
- Microprocessor-driven system
- Fast set-up and calibration
- Multiple program storage
- Control output: 0-10vdc & 4-20mA
- Affordably priced

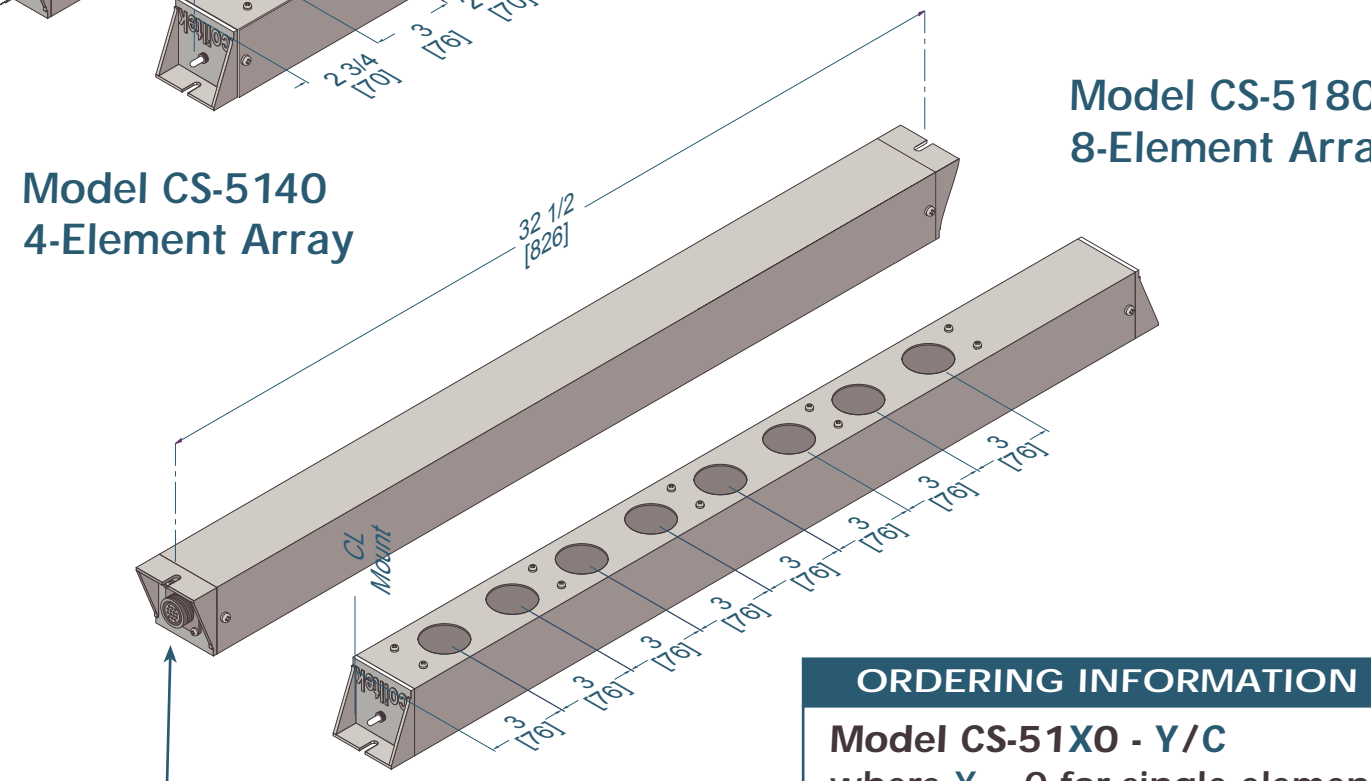
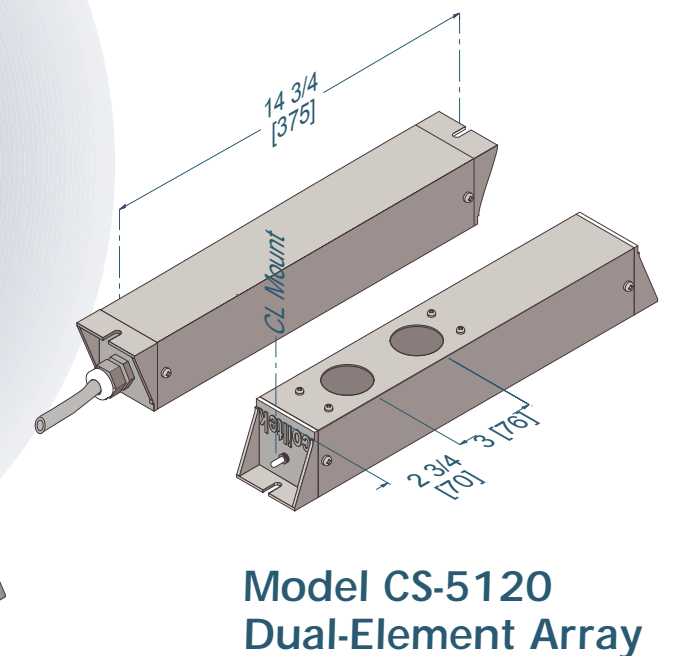
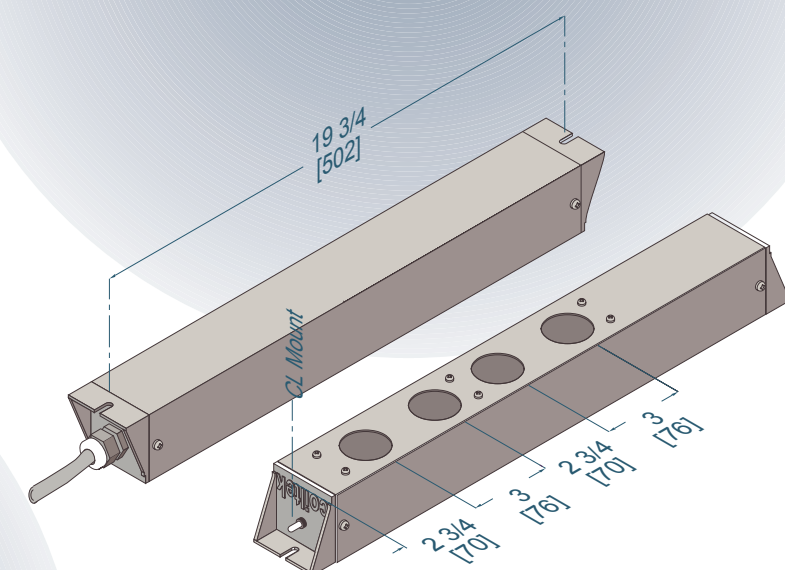
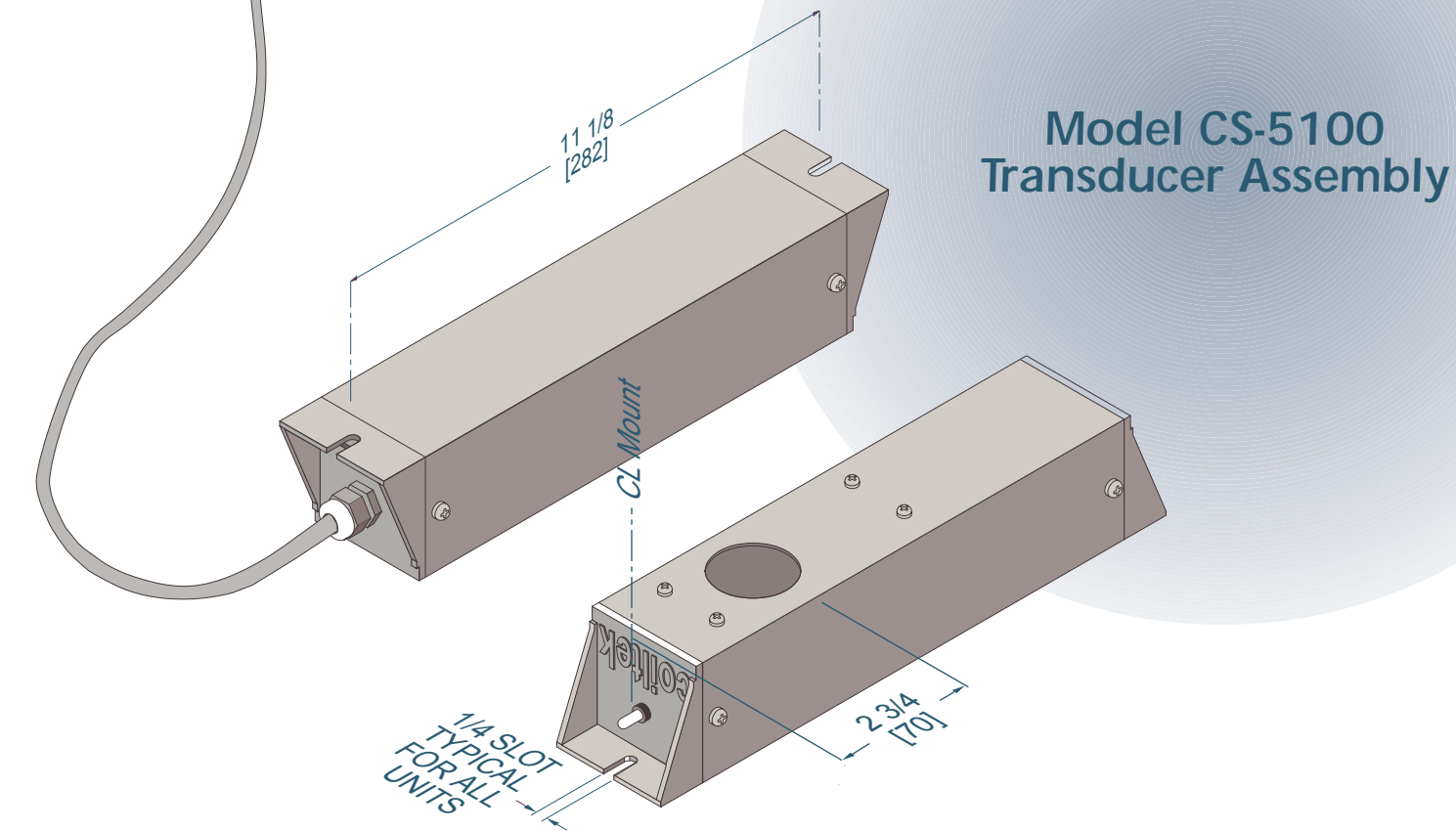
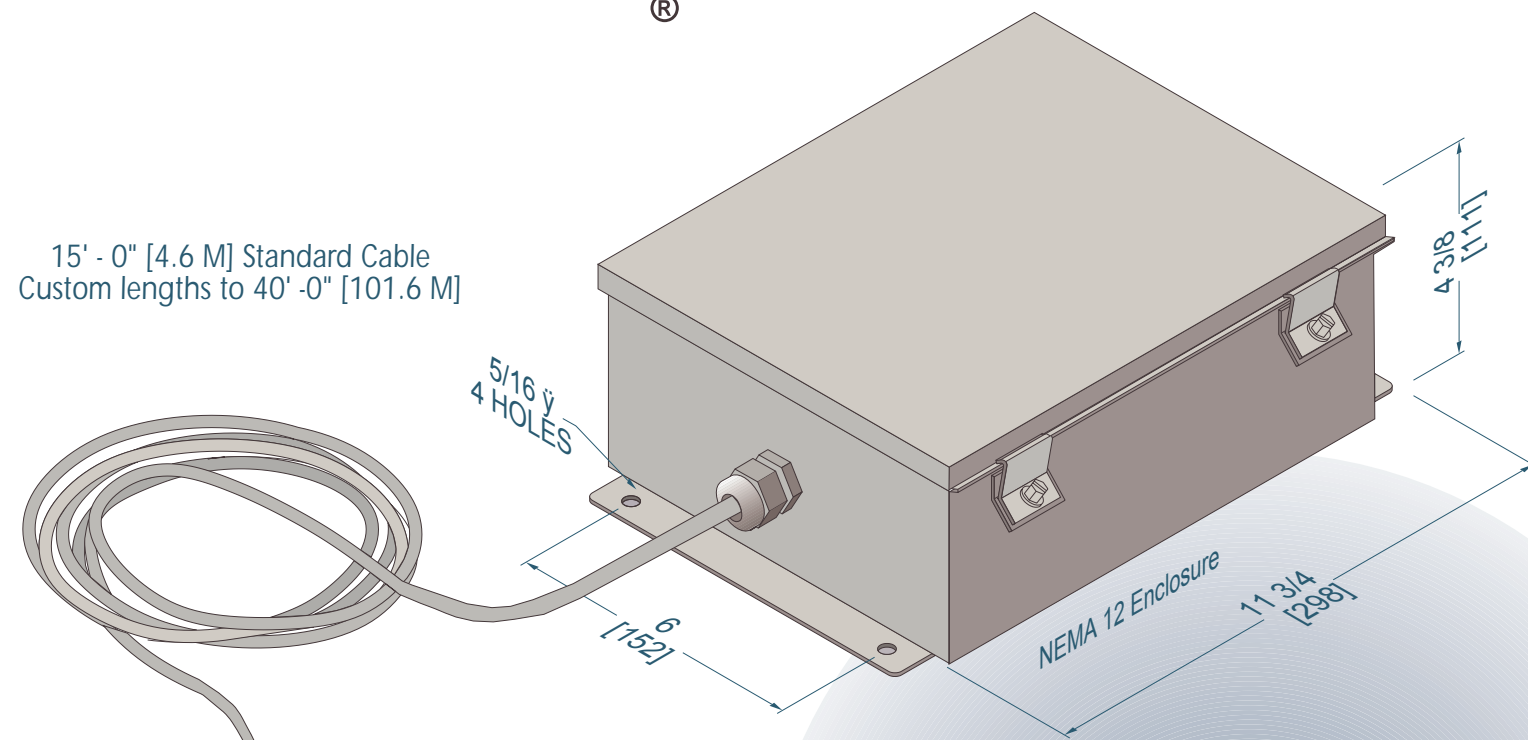


Made with pride in the U.S.A.

All units shipped UPS. Next day air service available. Most major credit cards accepted.



15' - 0" [4.6 M] Standard Cable
Custom lengths to 40' - 0" [101.6 M]



Optional multi-pin circular plastic connector and cable available for all models.

ORDERING INFORMATION

Model CS-51X0 - Y/C
where X = 0 for single element
= 2 for dual element
= 4 for quad element
= 8 for eight element
where Y = standard cable
where C = optional connector