**DESCRIPTION**

Designed as a direct mechanical replacement for Autotech Controls RL-100 transducers, this product is designed to ease installation change over when converting from Autotech to AMCI control systems. The HT-400-1 is an absolute single turn transducer with the mechanical dimensions and bolt pattern of the Autotech RL100-010. Note that this transducer will not work with Autotech controllers without an AMCI RM-3 Reference Module because of the differences in resolvers.

For AMCI users, the HT-400-1 offers the advantage of AMCI's standard cable connector. This option allows you to purchase pre-built and tested cables from AMCI to decrease your install time. AMCI's standard bolt pattern is also on the front of the transducer so that mounting brackets designed for our HT-20 transducers may also be used with the HT-400-1 without modification.

**DIMENSIONAL DRAWING**

![Dimensional Drawing](image)

**SPECIFICATIONS**

**Mechanical**
- Shaft Loading: Radial: 400 lbs. max.
  Axial: 200 lbs. max.
- Starting Torque: 8 oz.in. @ 25°C
- Moment of Inertia: 20 oz-in-sec² max.
- Weight: 5.25 lbs

**Environmental**
- Shock: 50 g's for 11 mSec
- Vibration: 15 g's to 2000 Hz
- Operating Temp: -20 to 125°C
- Enclosure: NEMA 4

**LEADERS IN ADVANCED CONTROL PRODUCTS**
The figure below shows the wiring diagram of AMCI's CTL-(x) cable. The transducer connector assembled and tested at the factory. All wires on the other end of the cable are pigtailed for easy termination in the field.

Belden 9873 Cable
For cable lengths greater than 100' (30 meters) use Belden 9730.

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