



TEMPERATURE CONTROLLERS... PORTABLE CHILLERS... CENTRAL CHILLERS... PUMP TANK STATIONS... TOWER SYSTEMS...

SUBJECT: UNIVERSAL DEVICE INTERFACE

#7-A-272

4/22/04

The Universal Device Interface (UDI) allows simple interfacing to ADVANTAGE Temperature Control Units and Chillers when a serial interface is not available on customer processing equipment. It provides an analog input and output of the SETPOINT and TO PROCESS temperature. It also provides contact closures for indicating temperature alarms and general machine alarms. The UDI enables REMOTE START and STOP of the unit by monitoring a customer supplied control signal.



UDI Interface

The UDI utilizes the RS-485 port provided on ADVANTAGE SK HE and MK HE controls to send commands and monitor the status of the machine. This status information is relayed to the UDI customer interface.

The UDI can be field installed.

UNIVERSAL DEVICE INTERFACE (UDI)

- 0 - 5v Setpoint (SP) input
- 0 - 5v Present Value (PV) output
- Start / Stop input
- Temperature alarm output
- General alarm output

