Tough SmartMarquee ™

Master/Slave modes of Operation

Marquee Configurations

Master Marquees STORE user-programmed messages. These marquees have PLC interfaces, and INITIATE communications with PLCs to monitor various PLC registers. Based on PLC register values, and programmed messages, Master Marquees display messages. Master Marquees can also drive Slave Marquees.

PLC

Control Network e.g. DH+, Ethernet I/P etc.
Tough SmartMarquee acts as an Intelligent device on one of the network nodes.

Master Tough SmartMarquee

Slave Marquees DO NOT STORE message, and do not initiate communications with other intelligent devices, such as PLCs. These Marquees display characters received on their serial port. The slave marquees are typically driven by another Master marquee, PLC, a message controller or some other intelligent device, such as a PC.

Ethernet IP, Modbus TCP/ IP, UT IP, RS485/422/232, DeviceNet or Profibus

IPC with SCADA Software or a Master PLC sending ASCII strings

Slave Tough SmartMarquees

Message Controllers, like Master Marquees, store messages and communicates with the PLC. Message controllers are used to drive slave marquees. One message contrller can drive several slave marquees.PMD 300MC message controllers have some additional features described on the page 2-15.

PLC

Message Controller

Control Network

PMD 300MC Message Controller UPM-MC message controller

Ethernet RS485/ 422/232

Slave Tough SmartMarquee