

Preh Electronic Industries, Inc.  
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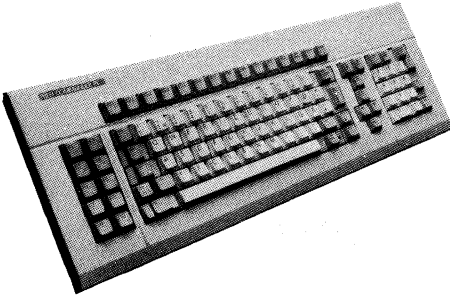


## REMOTE CONTROLS/KEYBOARDS

Remote control systems available from Preh Electronics include both standard and completely customized units. IR remotes up to 53 keys and an optional waterproof (floating) unit with 16 channel capability are available.

Preh's flexibility allows wide design possibilities in the fields of commercial and satellite television systems, video tape recorders and monitors, and industrial controls. Full travel membrane keyboards of

unique German technology. Metal to metal contacts ensure high reliability, long life, and excellent tactile feedback. The tops (facing) of Preh keyboards are waterproof.

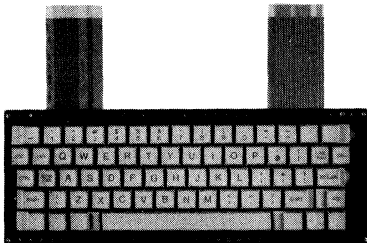


### PREH COMMANDER PC-AT

Full travel membrane keyboard with 111 keys. Arranging each function group in the form of "key clusters" enables the operator expedient data entry. The system is dust and splash proof. More than just IBM compatible.

### PREH COMMANDER, PC/XT

IBM-PC compatible. An extremely flat, full travel membrane keyboard with glare-free surface for operator comfort and "Crisp" tactile feedback. Additional standard units can be combined and spaced to customer requirements to provide up to 15 additional keys in the alphanumeric field. Standard unit measures 17.5" L x 7.5" W x 1.5" H. Height to center key row is 1.18".

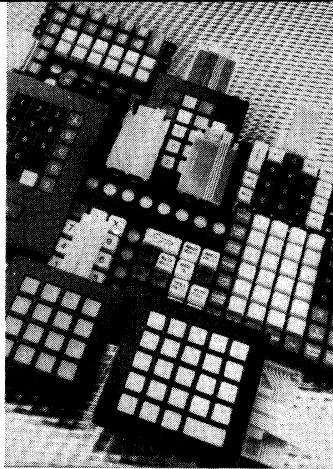


### PREH STANDARD KEYBOARDS

PREH Keyboards are dust and waterproof according to DIN 40050 specifications. The unique long life polymer domes (acting as springs) are molded in a single shot operation on a metal substrate with 20 million cycles within tolerance guaranteed.

#### FEATURES

- full travel
- membrane technology
- low profile
- relegendable key caps
- ASCII encoder: serial (standard) parallel (optional)
- excellent tactile feel
- Standard PREH Commander or custom versions
- New IBM 101 layouts (PC-AT3)

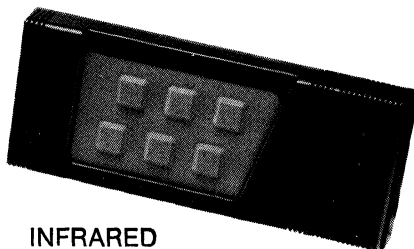


### PREH STANDARD KEYPADS

PREH offers a creative link between precision mechanics and reliable membrane technology. Standard keypads are dust and splashproof or even waterproof according to DIN 40050 specifications. Special shock resistant and vandal proof bezels are available for heavy duty or outdoor environment. Standard layouts include: 3x4, 4x4, 4x5, 4x7, 5x5, 7x8, 5x12, and 7x12 arrangements. Other custom designs available)

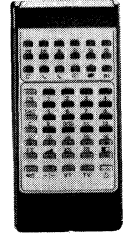
#### COMMON FEATURES

- full travel
- membrane technology
- low profile
- relegendable keycaps
- tactile feel
- reconfigurable version available
- IP65 or 63 rating



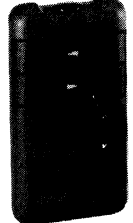
### INFRARED (WATERPROOF) TRANSMITTER TYPE S-90

Up to 16 functions on this unique waterproof transmitter. Precise engineering and fine workmanship coupled with more than seven decades experience in custom tool and plastic moldmaking have established PREH as a respected industry leader.



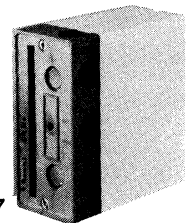
### TRANSMITTER, 53 BUTTON MODEL S88/53

TECHNICAL DATA:  
Transmitting Mode: PCM (Pulse Coded Modulation)  
Clock Frequency: 4 MHz (Quartz)  
Programmable Functions: 16 x 64 (Max. 53 Buttons)  
Usable Functions: 36  
Available TV Channels: 16  
Analog Functions: 4  
Additional Functions: 8  
Supply Voltage: 9 Volt (to IEC 6F22)  
Quiescent/Operating Current: 1.0  $\mu$ A/6 mA Typical  
Transmitting Elements: 2 Infrared Diodes



### TRANSMITTER, 2 CHANNEL MODEL S11-07

TECHNICAL DATA:  
Transmitting Mode: PCM (Pulse Control Modulation)  
Supply Voltage: 9 Volt (to IEC 6F22)  
Quiescent/Operating Current: 10 $\mu$ A/15 mA Typical  
Transmitting Elements: 3 Infrared Diodes



### RECEIVERS MODEL S12-07

TECHNICAL DATA:  
Plastic Enclosure-Dim: 4" x 2" x 4"  
Components: Electronic Decoder, Power Supply for Receiver and Pre-Amplifier and Switching Relay as Output Component  
Electronic Systems: PCM Decoder w/ Power Supply and 4 Relay Outputs  
Supply Voltage: 220 VAC, 11  
Outputs: 4 Separate Outputs  
Power Ratings: 250 VAC, 2000 VA, 200 VDC, 30W, 24 VDC, 100W  
For Both SPST and SPDT Applications

\*DETAILED CATALOG AVAILABLE UPON REQUEST