Main Features (all user selectable via the Remote Control):

1) Communication through the Power Line - No additional wiring necessary.
2) Time synchronization using SELENA clock as the Master and NTP time as the reference
3) Power line frequency or Atomic clock external time source may be used as reference
4) Master Sync receiver Enable/Disable
5) Self-recharging backup for accurate time keeping without power or sync
   (no batteries required) for 2 weeks or longer blackouts (10 year lithium battery optional)
6) 120Vac, 208-250Vac, 12V or 24V 50/60Hz power line operation or DC 12V or 24V.
7) All other functions: Time/Date, Timers, Counters and Temperature display fully operational

NOTE: All options and presets are selectable via the Remote Control.
**Master/Slave Clock System**

**Sync with Digital Communication through 2 or 3-Phase Power Line**

**SELENA LED Digital Clocks**

**Option #724RS**

*ALL CLOCKS INCLUDE REMOTE CONTROL*

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**Operation**

One of the SELENA clocks (with necessary options) is used as the Master Clock. It can work as a standalone Master or it can receive Atomic Time data from local or remote NTP server.

The Master SELENA injects digital data into the local power line.

All clocks can be supplied from any phase of the power line and are equipped with Option #724RS (Power Line Carrier Digital Sync Receiver). They can extract the sync information from the power line.

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**Configuration with Digital Communication through 2 or 3-Phase Power Line wiring and SELENA as the Master Clock and using the NTP Time receiver as the Atomic Time Reference**

**NOTE:** In this configuration, even if the NTP connection fails, all slaves can still receive the sync signal from the SELENA Master.

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**Existing Power Distribution**

3-Phase Transformer

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120V or 208-250Vac per Phase

50/60Hz, 2 or 3-PHASE POWER LINE WITH INJECTED SYNC SIGNAL

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**SELENA clock** with option #725NTP and option #725232 setup as the Master Clock

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**Digital communication**

3-Phase Power Line Modem (Option #902PH3)

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**Time data from NTP server**

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**Configuration with Digital Communication through 2 or 3-Phase Power Line wiring and SELENA as the Master Clock and using the NTP Time receiver as the Atomic Time Reference**

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**NOTE:** All options and presets are selectable via the Remote Control.