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## Introducing

# THE 4200R DIGITAL RETRO-FIT AUTO-START

A decade ago, digital auto-starts were an add-on feature. Today, many manufacturers have them as a standard feature. If they fail, replacements can be costly and hard to find due to extended lead times.

### QUESTION

What do customers do if their OEM control fails and needs to be replaced?

### ANSWER

*Alltech Electronics*

4200R **000** SERIES

**AUTO CHARGE CONTROL**

RED DAILY    GREEN WEEKLY

WEEKLY    OFF

CHARGE    COMPLETE

80% CHARGED

*Alltech Electronics Inc.*

**4200 Digital Retro-fit**

The 4200 was designed with the following parameters:

1. An economical circuit with digital and multi-LED indicators.
2. Ease of installation, both mechanically and electrically.
3. Circuitry that is adaptable to most chargers
4. Simple DC voltage and Ammeter Shunt field adjustments.

# The 4200 Series Retro-fit Auto-Start

## STANDARD FEATURES

1. START-UP DELAY---Charger starts in 5 to 6 seconds after battery-charger connection.
2. PC MOUNTED RELAY---Capable of handling up to 20 amps at 240 VAC.
3. DUAL COLOR LIGHT---Red for normal charge, green for weekly charge, toggle switch activated.
4. 80% CHARGED LIGHT---Yellow indicates battery is 80% recharged.
5. SAFETY SHUTDOWN SWITCH---Toggle switch for emergency shutdown.
6. CHARGE COMPLETE LIGHT---Green charged complete at the end of a full charge.
7. BACKUP TIMER---Should charger not shut off in twelve hours, backup timer overrides.
8. AC POWER FAILURE MEMORY---Resumes charge upon return of AC power.
9. DC CONTROLLED---No external AC power relays or stepdown PXF needed.
10. CHARGED BATTERY SHUTDOWN---If battery reaches 80% charged after first 15 minutes of charging, unit shuts down. Eliminates over charging.
11. EASY MOUNT STEEL BOX---4.75" x 6.75" x 2.5" steel box mounts to front of charger via stud-mounts. (Order as 4200R)
12. MOUNTING PLATE---Also available in a 4.75" x 11" flat mounting plate for easier replacement in various chargers. (Order as 4200P)
13. BRIGHT DIGITAL READOUT---Easy to read, bright red digital read-out display.
14. WRONG VOLTAGE REJECTION---Unit indicates when wrong cell battery has been connected to charger.
15. MULTI-VOLTAGE--- One unit will work on all standard DC voltage chargers, easy cell selection via jumper on board.
16. NEW MULTI-AMP SHUNT SETTING --- One unit will work on all standard ammeter shunt sizes. Adjustable via a sequence of switch toggles.

## OPTIONAL FEATURES

Factory programmed delay of start- Allows unit to be pre-programmed for up to 6 hours delay of start.

Factory programmed Auto Equalize-Will give battery an automatic equalizing charge after (X) number of complete charge cycles.