

4200R Digital Retro-Fit

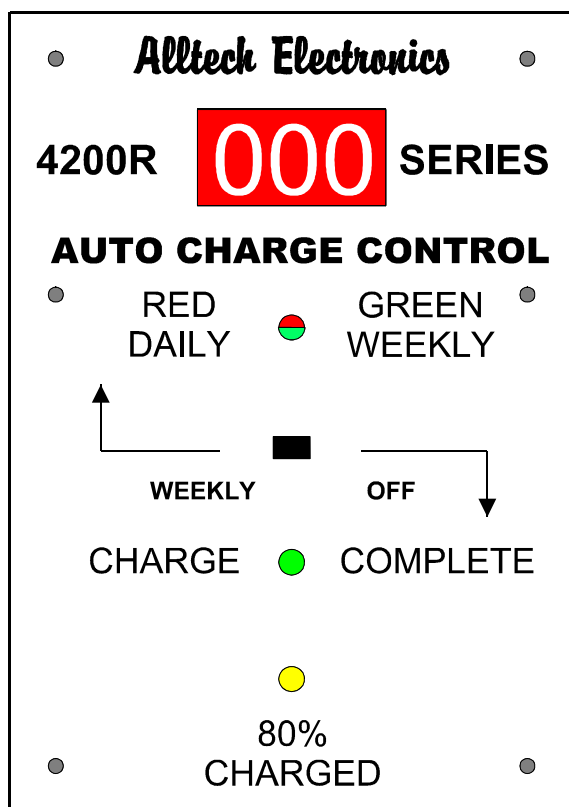


Auto-Start Control Replacement

DIGITAL READOUT | MULTI-LED INDICATORS | FIELD ADJUSTABLE

CONTROL FACEPLATE

Simplified front-panel reference



Seamless Upgrades for Failing OEM Controls

The Problem

In today's market, digital auto-starts are standard equipment. However, when these original equipment manufacturer (OEM) units fail, businesses often face:

High replacement costs that impact your bottom line.

Extended lead times that cause costly operational downtime.

Limited availability for older or discontinued models.

The Solution: Alltech 4200 Digital Retro-fit

Alltech Electronics Inc. provides a reliable, high-performance alternative to expensive OEM replacements. Our 4200 Digital Retro-fit is engineered to integrate seamlessly into your existing systems, restoring full functionality without the "standard" industry delays.

Why Choose the 4200 Retro-fit?

Immediate Availability

Avoid the weeks or months of waiting associated with OEM backorders.

Cost-Effective Replacement

Reduce your maintenance spend with a high-quality unit designed for long-term value.

Universal Integration

Built to replace a wide variety of factory-installed digital auto-starts with minimal effort.

Proven Reliability

An industrial-grade solution that meets or exceeds the specifications of original factory controls.

DESIGNED WITH FOUR PRIORITIES

1

Economical Circuit

Includes the basic essentials with digital and multi-LED indicators.

2

Easy Installation

Designed for straightforward mechanical and electrical installation.

3

Broad Charger Fit

Adaptable to most chargers without unnecessary complexity.

4

Field Adjustments

Simple DC voltage and ammeter shunt field adjustments.

4200R Series Retro-Fit



Auto-Start Standard & Optional Features

RETROFIT CONTROL | DIGITAL READOUT | CHARGER COMPATIBILITY

STANDARD FEATURES

- | | |
|--|---|
| 1 START-UP DELAY
Charger starts in 5 to 6 seconds after battery-charger connection. | 9 DC CONTROLLED
No external AC power relays or stepdown PXF needed. |
| 2 PC MOUNTED RELAY
Capable of handling up to 20 amps at 240 VAC. | 10 CHARGED BATTERY SHUTDOWN
If battery reaches 80% charged after first 15 minutes of charging, unit shuts down. Eliminates over charging. |
| 3 DUAL COLOR LIGHT
Red for normal charge, green for weekly charge, toggle switch actuated. | 11 EASY MOUNT STEEL BOX
4.75" x 6.75" x 2.5" steel box mounts to front of charger on standoffs. (Order as 420R) |
| 4 80% CHARGED LIGHT
Yellow indicates battery is 80% recharged. | 12 MOUNTING PLATE
Also available in a 4.75" x 11" flat mounting plate for easier replacement in various chargers. (Order as 420P) |
| 5 SAFETY SHUTDOWN SWITCH
Toggle switch for emergency shutdown. | 13 BRIGHT DIGITAL READOUT
Easy to read, bright red digital read-out display. |
| 6 CHARGE COMPLETE LIGHT
Green charged complete at the end of a full charge. | 14 WRONG VOLTAGE REJECTION
Unit indicates when wrong cell battery has been connected to charger. |
| 7 BACKUP TIMER
Should charger not shut off in twelve hours, backup timer overrides. | 15 MULTI-VOLTAGE
One unit will work on all standard DC voltage chargers, easy cell selection via jumper on board. |
| 8 AC POWER FAILURE MEMORY
Resumes charge upon return of AC power. | 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.