



CURTIS

Curtis Instruments (UK) LTD.

The Curtis Difference
You feel it when you drive it

New Curtis AC Control Systems for Powered Pallet Trucks give top performance and safety at a very low price.



CURTIS EV SYSTEMS

The Ultimate Integration of Technology,
Performance and Affordability

The latest addition to the Curtis AC speed controller family, the AC F2-A, provides a uniquely high specification packed with features and a big power rating - all at an exceptionally low price point.

This high performing smart design comes in a tough housing with a very small footprint, making it perfect for the harsh Class III Pallet Truck market.

ACF2-A Flexibility; fully optimised to perform either as a traction controller for 1.0 and 2.0 ton Class III powered pallet trucks, or as a traction or hydraulic pump controller on other types of battery powered vehicle. The ACF2-A's auto-characterisation allows simple on-truck pairing with any Induction and SPM motor types. Simply choose from a comprehensive library of induction motor types stored in the controller memory.

ACF2-A Safety; Exceeds global conformance requirements for EMC, functional and electrical safety, UL583 recognised and CE marked as a programmable safety device.



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ACF2-A Durability; IP65 protection as per IEC60529 with 23-pin AMPseal I/O connector means its impervious to most oils, solvents, degreasers and other chemicals regularly encountered by industrial vehicles.

Highly flexible multi-function I/O and comprehensive CAN master capabilities means this low-cost, super capable controller is capable of acting as “CAN interpreter”, allowing different CAN protocols from a variety of devices to “talk” to each other easily on the same CAN network; this means engineers can work with their components of choice every time, eradicating the need for expensive and time-consuming modifications from a variety of manufacturers.

This same CAN master capability means the controller easily connects with typical battery management systems that come with lithium battery packs that are becoming increasingly popular due to their high energy/slow discharge/low maintenance functions. Used together with Curtis’ very low cost 3140 CANopen gauge, specifically designed for the Class III market, provides OEMs with a very low-cost, easy-to-read flexible display option with out-of-the-box integration capabilities.

The new user-friendly Curtis Software Suite is a required element for customising any vehicle design incorporating the ACF2-A controller and 3140 display and will eventually replace the familiar 1313 and 1314 programming tools. CSS provides new simplified ways to set up and work with the new devices, producing a vehicle that works exactly the way the OEM wants it to. VCL was already a fairly easy programming language to learn, and the new CSS software with VCL2 makes integrating CANbus devices even easier giving OEMs the ultimate vehicle control system.



Curtis UK provides a full range of battery chargers for electric lift trucks that deliver superior levels of on and off-board reliability and charge quality. Pallet Trucks are used in difficult settings where high levels of vibration, shock and temperature changes (including cold storage, wet conditions) are seen, so all our chargers (for lead-acid or lithium-ion batteries) are tested in these typical environments to ensure they provide a long and reliable service.

Some models provide bespoke charging for individual battery packs of major lift truck battery companies through the use of custom made charge profiles to give even better performance.



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Curtis design integrated control systems for zero-emission electric vehicles and manufacturers worldwide use Curtis products to make their vehicles the best they can be in areas as diverse as material handling (forklifts, pallet trucks), recreational (golf cars and off-road), aerial lifts (booms, scissor lifts), medical mobility (wheel/rehab chairs), airport (aircraft movers and tugs), automotive (Light-On-Road), and many more.

To learn more, visit our website www.curtisinst.co.uk, or better still, give us a call on 01604 885201.