



Communication & Reporting Package for Hartley Compactability Controllers

Bulletin Number

#2005002

Affected Products

All Hartley equipment controlled by an Allen Bradley programmable logic controller (PLC)

Affected Parts

The communication and reporting package is part #204142. It consists of:

(1) copy of Rockwell Software RSSequel software
(1) copy of Rockwell Software RS Linx software
(1) custom created report queries using Microsoft Access consisting of:

- Batch reports or time based sand properties
- Summary reports for end of shift
- Total usage reports— sand, bond, water, etc.

(1) copy of Rockwell Software RS Logix software (optional)

Revision Date

June 29, 2005

The Issues

Until now the only way to capture machine performance data on Hartley compactability controllers was with a printer. Although this method is effective it has its drawbacks such as large stacks of paper, no way to easily retrieve past data, and the difficulty of keeping the printer operating in the foundry environment.

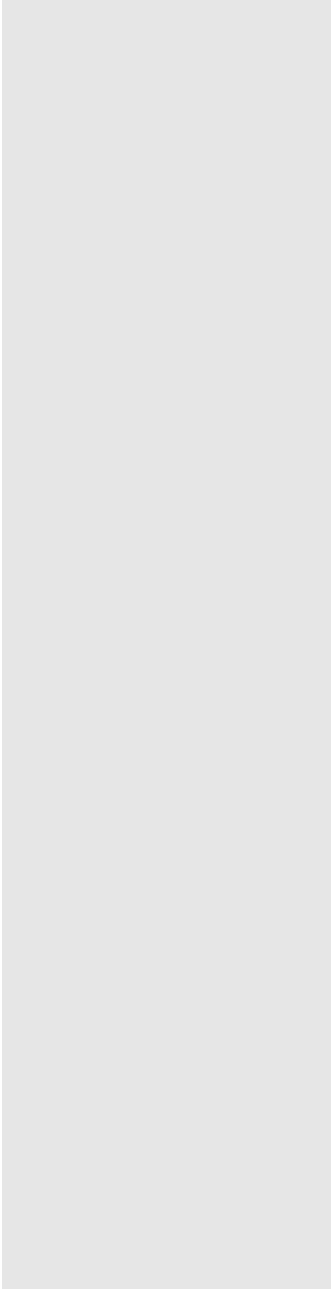
The Solution

The Simpson Group communication and data acquisition package will allow for viewing and archiving operational and performance parameters of Hartley Compactability Controllers that are controlled by an Allen Bradley PLC. Data are stored in a data base and can be retrieved using custom created queries. Additionally this reporting package can allow for the retrieval of data from other vendors equipment as well.* The communication and reporting package will reside on a customer provided PC that is connected via Ethernet cable or DH+ cable to the machine control enclosure. Complete wiring requirements and diagrams are provided.

With the addition of the optional Rockwell Software's programming software (RS Logix), the customer has the added ability to go 'online' with any equipment on this network and troubleshoot, modify or monitor PLC programs directly from the supervisory PC.

Personal Computer Requirements (provided by customer*):

- Intel Pentium II processor (1 GHz or faster)
- Windows operating system, version 2000 or later
- 256 MB of RAM minimum
- 34 MB hard drive space
- CD ROM drive
- Ethernet card
- Video card and monitor capable of 1074 x 768 resolution
- Microsoft Access software, version 2000 or later
- Allen Bradley DH+ card (if using DH+)



*The customer's IT personnel would be responsible for connecting and developing the database software for any non-Simpson supplied equipment that may be added to the communications network. Any non-Simpson based equipment added to the communications network must be equipped with an Allen Bradley series PLC with Ethernet capability.

To order the communication and reporting package, please contact Simpson by phone (630-978-0044), fax (630-978-0068) or email (parts@simpsongroup.com).

SIMPSON GROUP

Founded in 1912, Simpson Technologies is a world leader in foundry and process industry technologies. Within the Simpson Group are some of the world's largest and most innovative brands of metal casting technologies including the companies Simpson Technologies, Beardsley & Piper LLC, Hartley Controls Corp. as well as the brands of Dietert Automation and Simpson+Gerosa. In the metal casting industries our products include technologies in the following areas:

- Molding Sand Cooling
- Molding Sand Preparation (batch & continuous)
- On-line Controls for Sand Preparation Systems
- Flaskless, Matchplate Mold Making Equipment
- Core Sand Preparation Equipment
- Core Making Equipment
- Sand Reclamation Equipment
- Pollution Control Equipment
- Sand Laboratory Testing Instrumentation
- OEM Spare Parts and Field Service
- Laboratory Testing and Rental Equipment



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