

S E R V I C E N O T E

SUPERSEDES: 3852A-08
dated 22 November 1991

3852A Data Acquisition and Control Unit**3852A Firmware Enhancement 4.21**

Revision 4.21 firmware is now available for the 3852A data acquisition unit. This firmware revision fixes following defects related to the 44789A (RS232) module:

- 1) INTERRUPT on CD, RI and char match - Of the fifteen conditions that the 44789A could interrupt on, there were three conditions which were incorrectly mapped into the card. The three conditions were RI, CD and character match. Workaround:
Interrupting on Input buffer not empty, n character in input buffer and/or idle time after last character will achieve the same results for the vast majority of customer's applications.
- 2) TIMEOUT ON OUTPUT - On revision 4.0 and 4.2 a timeout on output did occur, but no error message was returned to the user. An error message to the user has been added in this revision.

These minor defects only affect 3852A users with a 44789A module and it is unlikely to affect the majority of the 44789A users.

The serial number breaks for the controller board for this upgrade are:

New serial number: 3145A - 13493
Previous serial number: 3051A - 13492

Continued

DATE: 23 January 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	<input checked="" type="checkbox"/> PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: Next Firmware Revision
AUTHOR: GWP	ENTITY: 0900	ADDITIONAL INFORMATION: Internal reference PCO 09-28630

The most current controller board and firmware revisions are available as a kit. To upgrade a 3852A to the 4.21 rom revision you can order the individual ROMs or one of the kits listed below.

Individual ROM part numbers are:

03852-65571	U57
03852-65572	U58
03852-65573	U59
03852-65574	U60
03852-65575	U61
03852-65576	U62
03852-65577	U90
03852-65578	U91
03852-90020	Installation note - This installation note was written for revision 4.2 and is also applicable for revision 4.21.

ROM kits:

- 03852-88710 includes the processor board (03852-66523 Rev C) with current firmware and 3852A manual set. (Note 1)
- 03852-88728 ROM set and installation note.
- 3852-88729 ROM set, installation note and 3852A manual set. (Note 1)

Notes

1. The manuals have not been updated since firmware revision 3.5