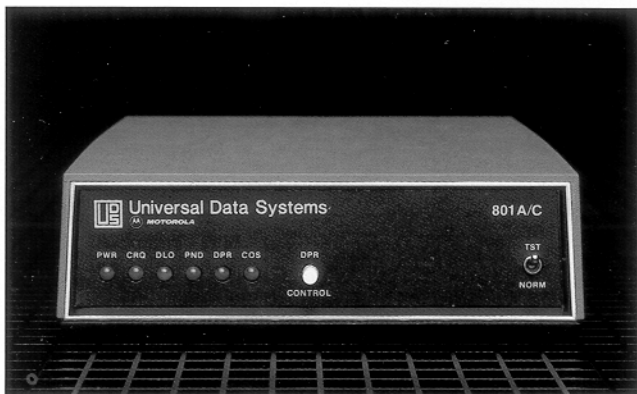


# 801A/C

## SERIAL OR PARALLEL AUTOMATIC CALLING UNIT



## FEATURES

The UDS 801A/C automatic calling units are available in a standalone or in a rack mount configuration. The specific features are:

- Parallel (RS-366) or Serial (RS-232) digital interfaces
- LED indicators to monitor operation
- FCC certified for direct connection
- Pulse or tone dialing modes
- Compact enclosure
- Compatible with the UDS RM-16M rack enclosure

## DESCRIPTION

The UDS 801A/C auto calling unit is a highly reliable, superior performance dialer. The ACU accepts parallel or serial command inputs, and dials with either pulse or tone signals. Data rates of 75 to 9600 bps are accommodated in the serial mode.

The ACU interfaces with three components of the system: the data terminal or computer equipment (DTE), the data communication equipment (DCE) or modem, and the telephone line.

Two possible interface configurations exist: 1) ACU with parallel input which requires RS-366 and RS-232 ports on DTE; and 2) ACU with dedicated RS-232 input which requires two RS-232 ports on DTE.

Installation of the 801A/C is easy and operation is straightforward. Built-in manual testing allows the user to verify correct operation and to dial the last stored digit.

An internal switch allows for the selection of either pulse or tone dialing or automatic determination of dial mode. In the auto mode, the 801A/C will first attempt to dial using standard touch tones. If the dial tone remains, the 801A/C will automatically switch over to pulse dial and complete the call. The internal switch also allows calls to be made directly in pulse or touch-tone mode without the automatic test of the line. An integral speaker allows the user to audibly monitor call progress for dial tones and busy signals.

The UDS 801A/C standalone automatic calling unit may be ordered as an interchangeable standalone/rack mount unit. Simply remove the plastic cover from the standalone enclosure, remove the ACU card, attach the optional rack panel, and insert it directly into the RM-16M rack. With this feature, a datacomm facility can easily upgrade from multiple standalone enclosures to a centralized rack without the expense and trouble of purchasing new ACUs or modems. Additionally, a single 801A/C standalone enclosure may be mounted in standard 19" equipment rack via the UDS model RM 1M rack adapter. Two units may be mounted using the RM 2M rack adapter.

# 801A/C SERIAL OR PARALLEL AUTOMATIC CALLING UNIT

## SPECIFICATIONS

**Synchronization:** Asynchronous or  
Isosynchronous

**Digital Interface:** RS-366 parallel, RS-232  
serial

**Line Type:** PSTN

**Modem Option:** Strap to 103 when DCE is  
Bell compatible 103's or 212's, or strap to  
201/202 when DCE is Bell compatible 202's,  
201's, 208's, or 9600 bps

**Abort Timer:** 32, 48, or 96 seconds or disabled  
(selectable)

**Pause Option:** ACU will pause between digits  
when pause character is encountered, 1 or 4  
seconds (selectable)

**OH Delay:** .16, .64, 1.28, or 2.56 seconds  
(selectable)

**Parity Select:** The control character may have  
a parity (odd or even)

**Number of Data Bits:** The character may  
have 7 or 8 data bits

**Number of Stop Bits:** The character may  
have 1 or 2 stop bits

**Environmental:** 0 to 50° C, 95% humidity,  
non-condensing

**Mechanical:** Width 7.00 inches (17.8 cm);  
Length 9.60 inches (24.4 cm); Height 2.25  
inches (5.7 cm)

**Power Requirements:** 115 VAC, 60 Hz

**Certification:** FCC Rules Part 68 certified.

This model may be directly connected to the  
switched network via programmable data  
jacks (RJ45S) or permissive "voice" jacks  
(RJ11C)

## CONTROLS AND INDICATORS

### Test/Operate Switch

- **DPR (Digit Present):** Allows user to  
verify correct operation and to manually  
dial last stored number for test purposes.  
ACU stores up to 32 digits.

### Indicators

- **PWR (Power):** ON when the unit is  
powered up.
- **CRQ (Call Request):** ON indicates that  
the DTE is initiating a call.
- **DLO (Data Line Occupied):** ON indi-  
cates that the associated DCE is off hook  
or the associated telephone line is in use.  
Also ON when the unit is placing a call.
- **PND (Present Next Digit):** ON indi-  
cates that the unit is ready to receive a  
digit from the DTE.
- **DPR (Digit Present):** ON indicates that  
the DTE is presenting a new dial digit to  
be read by the ACU.
- **COS (Call Origination Status):** ON  
when the dialing process is complete.