ACROPRINT®

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ATR480

Top Loading
Totalizing Time Recorder

User Manual

Disponible en français à:
https://www.acroprint.com/resources/user-manuals

Lithium Battery Caution:

The circuit board on this clock is populated with a lithium battery to protect data and programs stored in the Random-Access Memory (RAM). Do not, under any circumstances, attempt to release the lithium battery in the clock. Failure to comply may void your warranty. Any attempt to do so must be performed by qualified personnel wearing appropriate eye protection equipment.

This product utilizes a battery that contains Perchlorate Material. Special handling may apply for Perchlorate Material.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

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Before You Start

Please read this manual thoroughly before opening the time clock to avoid damage to the unit and to ensure the proper operation of the unit.

What's In the Box

After unpacking the box, inspect the clock for any damage that may have incurred during the shipment process. Check the contents of the box for any missing items. If any items are found missing and / or damaged, kindly contact Customer Support immediately.

Bundled Product Contents:

- ATR480 Time Clock with Operational Backup Battery Installed
- (4) Clock Cover Keys on Key Ring
- 12.5vDC 1500mA Switching Power Supply
- User Manual
- 200 Time Cards
- Clock Wall Mounting Template*
- Mounting Screws
- Plastic Wall Anchors
- (2) 10-Slot Expanding Time Card Racks
- (2) Clock Ribbons

*Also available for download at: http://support.acroprint.com

Do not attempt to service the ATR480 yourself. Disassembling the clock will void the warranty of the unit. Always follow User Guide instructions.

Installing Your Clock

The ATR480 is designed for indoor use. As such, please take note of the following:

- Do not place the clock in direct sunlight as this could discolor or deteriorate the plastic material.
- The clock is designed for use within the temperature ranges of 32-104º F (0-40º C). Keep the clock away from heat sources such as radiators.
- Avoid placing the clock in situations with heavy dust and chemical exposure.
- The clock is not waterproof. It is designed to operate under relative humidity of 10-60%
- The clock may be placed upright on a solid surface or mounted to a wall using the provided mounting screws. Avoid places where the device is susceptible to vibrations and shock.
- Defects or damages incurred from improper installation, storage, care, and service will not be covered by the warranty of the clock.

Function Keys

The 1-6 keys on top of the clock serve as function keys in programming mode. Note that the functions are printed on the card door above the column numbers.

1	+	Increase the set value by 1
2	–	Decrease the set value by 1
3	Enter	Register the set value
4	Back	Go to previous setting
5	Clear	Cancel the set value
6	Mode	Select Mode (Function Group)

Setting the Time Recorder

The switches inside the clock have the following functions:

Run<->Prog	Run - Normal Use Prog – Program Mode (to change settings)
Reset	Restart Clock

To enter programming mode, open the front cover and move the switch found under the function keys from ‘Run‘ to ‘Prog’. Navigate through the different programming modes by pressing the ‘Mode’ button and enter them by pressing ‘Enter’. The setting code will be reflected on the lower left of the screen and will move in increments when changes have been done

Note: If a password has been set on the clock, a “– – – –“ prompt will appear when entering Program Mode. You will need to enter your password to access the clock menus. If you misplace your password you will need to contact Acroprint at (800) 334-7190 for assistance to reset your password.

Time & Date Settings (Mode ES00)

To change the time and date of the clock, enter ES00 mode to begin. Press ‘ Enter ’ when ‘ ES00 ’ appears on the screen when entering programming mode.

Code 01: Year

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the year setting
Press ‘ Enter ‘ to confirm the selection

Code 02: Month/Date

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the month setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the day setting
Press ‘ Enter ‘ to confirm the selection

Code 03: Time

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the hour setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the minute setting
Press ‘ Enter ‘ to confirm the selection

Code 04: Time Display Format

Press ‘ + ‘ or ‘ – ‘ to select between military or standard time
Select ‘ 12 ‘ for standard time
Select ‘ 24 ‘ for military time
Press ‘ Enter ‘ to confirm the selection

Code 05: Daylight Savings Time

Press ‘ + ‘ or ‘ – ‘ to enable or disable Daylight Savings
Select ‘ 0 ‘ to disable Daylight Savings
Select ‘ 1 ‘ to enable Daylight Savings
Press ‘ Enter ‘ to confirm the selection

Code 06: Daylight Savings Start Date

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the month setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the day setting
Press ‘ Enter ‘ to confirm the selection

Code 07: Daylight Savings Start Time

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the hour setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the minute setting
Press ‘ Enter ‘ to confirm the selection

Code 08: Daylight Savings End Date

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the month setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the day setting
Press ‘ Enter ‘ to confirm the selection

Code 09: Daylight Savings End Time

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the hour setting
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the minute setting
Press ‘ Enter ‘ to confirm the selection

Note: Code 06~09 are hidden and can be accessed after enabling Code 05 Daylight Savings.

Code 10: Vertical Alignment *

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the vertical positioning of the print
Values above ‘ 05 ‘ increase its position
Values below ‘ 05 ‘ decrease its position
Press ‘ Enter ‘ to confirm the selection

Code 11: Horizontal Alignment *

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the horizontal positioning of the print
Values above ‘ 05 ‘ shift the print to the left
Values below ‘ 05 ‘ shift the print to the right
Press ‘ Enter ‘ to confirm the selection

Code 12: Card Side Identification *

Press ‘ + ‘ or ‘ – ‘ to enable or disable card side (front/back) identification
Select ‘ 00 ‘ to disable the feature
Select ‘ 01 ‘ to enable the feature
Press ‘ Enter ‘ to confirm the selection

Note: Items marked with “ * “ are hidden and can be accessed by pressing the 3rd and 4th keys simultaneously.

Pay Period Settings (Mode ES01)

To change the pay period settings of the clock, enter ES01 mode to begin. Press ‘ Enter ’ when ‘ ES01 ’ appears on the screen when entering programming mode.

Code 01: Start of Day Time

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the hour
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to increase or decrease the minute
Press ‘ Enter ‘ to confirm the selection

Code 02: Minute Print Format

Press ‘ + ‘ or ‘ – ‘ to select between a decimal or 60-minute format
Select ‘ 00 ‘ for 60-minute
Select ‘ 01 ‘ for decimal
Press ‘ Enter ‘ to confirm the selection

Code 03: Pay Period Setting

Press ‘ + ‘ or ‘ – ‘ to select the pay period setting
Select ‘ 01 ‘ for a weekly pay period
Select ‘ 02 ‘ for a bi-weekly pay period
Select ‘ 03 ‘ for a semi-monthly pay period
Select ‘ 04 ‘ for a monthly pay period
Select ‘ 05 ‘ for work mode / no pay period setting
Press ‘ Enter ‘ to confirm the selection

Code 04: Pay Period Cycle End

For weekly

Press ‘ + ‘ or ‘ – ‘ to select the day of the week
Select ‘ 00 ‘ for Sunday
Select ‘ 01 ‘ for Monday
Select ‘ 02 ‘ for Tuesday
Select ‘ 03 ‘ for Wednesday
Select ‘ 04 ‘ for Thursday
Select ‘ 05 ‘ for Friday
Select ‘ 06 ‘ for Saturday
Press ‘ Enter ‘ to confirm the selection

For Bi-weekly

Press ‘ + ‘ or ‘ – ‘ to select start month
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to select start day
Press ‘ Enter ‘ to confirm the selection

For Semi-monthly

Press ‘ + ‘ or ‘ – ‘ to select days of the month
Select ‘ 00 ‘ to use the 15th day and the last day
Select ‘ 01 ‘ to use the 14th day and the 2nd to the last day
Select ‘ 02 ‘ to use the 13th day and the 3rd to the last day
Select ‘ 03 ‘ to use the 12th day and the 4th to the last day
Select ‘ 04 ‘ to use the 11th day and the 5th to the last day
Select ‘ 05 ‘ to use the 10th day and the 6th to the last day
Select ‘ 06 ‘ to use the 1st day and 16th day
Press ‘ Enter ‘ to confirm the selection

For Monthly

Press ‘ + ‘ or ‘ – ‘ to select the day of the month
Select ‘ 00 ‘ to use the last day
Select ‘ 01 ‘ to use the 2nd to the last day
Select ‘ 02 ‘ to use the 3rd to the last day
Select ‘ 03 ‘ to use the 4th to the last day
Select ‘ 04 ‘ to use the 5th to the last day
Select ’ 05 ‘ to use the 6th to the last day
Select ‘ 06 ‘ to use the 1st day
Press ‘ Enter ‘ to confirm the selection

Code 05: Rounding Rules

Press ‘ + ‘ or ‘ – ‘ to select the rounding rules for automatic computation
Select ‘ 00 ‘ for no rounding
Select ‘ 05 ‘ for rounding by five minutes
Select ‘ 10 ‘ for rounding by ten minutes
Select ‘ 15 ‘ for rounding by fifteen minutes
Press ‘ Enter ‘ to confirm the selection

Code 06: Fixed Deduction Rule Start

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the amount of hours before implementation
Set this to ‘ 24 ‘ to disable the feature
Press ‘ Enter ‘ to confirm the selection

Code 07: Fixed Deduction Minutes

Requires Fixed Deduction Rule Start to be enabled

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the amount of minutes to be deducted after the hours set in Code 06
Press ‘ Enter ‘ to confirm the selection

Code 08: Overtime Start (Daily)

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the amount of hours within the day required before overtime is applied
Press ‘ Enter ‘ to confirm the selection

Code 09: Overtime Start (Weekly)

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the amount of hours within the week required before overtime is applied
Press ‘ Enter ‘ to confirm the selection

Code 10: Maximum Work Hours

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the maximum allowable hours to be recorded per day
Press ‘ Enter ‘ to confirm the selection

Alarm Settings (Mode ES02)

To change the alarm settings of the clock, enter ES02 mode to begin. Press ‘ Enter ’ when ‘ ES02 ’ appears on the screen when entering programming mode.

Code 00: Alarm Duration

Press ‘ + ‘ or ‘ – ‘ to increase or decrease the duration of the alarm
Press ‘ Enter ‘ to confirm the selection

Code 01 – 24: Alarm Schedule

There are four settings to be set for each code. Once all four have been confirmed, the code will increase by one and another set can be confirmed.

Setting 1: Hour

Press ‘ + ‘ or ‘ – ‘ to set the hour of the day for the alarm
Press ‘ Enter ‘ to confirm the selection

Setting 2: Minute

Press ‘ + ‘ or ‘ – ‘ to set the minute for the alarm
Press ‘ Enter ‘ to confirm the selection

Setting 3: Days

Press ‘ + ‘ or ‘ – ‘ to navigate between the days displayed on the top of the screen
Press ‘ Back ‘ to exclude or include the day in the schedule set
Press ‘ Enter ‘ to confirm the selection

Setting 4: Alarm Output

Press ‘ + ‘ or ‘ – ‘ to select the alarm output method
Select ‘ 01 ‘ to use external and internal speakers
Select ‘ 02 ‘ to use external speakers
Select ‘ 03 ‘ to use internal speakers
Press ‘ Enter ‘ to confirm the selection

Column Shift Settings (Mode ES03)

Note: Mode ES03 is only available if Work mode is active (see clock Mode ES01, Code 03, Setting 05)

To change the times of the day which you wish the clock to shift the printout column to the right, enter ES03 mode to begin. Press ‘ Enter ’ when ‘ ES03 ’ appears on the screen when entering programming mode.

Code 01 – 12: Column Shift Schedule

There are three settings to be set for each code. Once all three have been confirmed, the code will increase by one and another set can be confirmed.

Setting 1: Hour

Press ‘ + ‘ or ‘ – ‘ to set the hour of the day for the shift
Press ‘ Enter ‘ to confirm the selection

Setting 2: Minute

Press ‘ + ‘ or ‘ – ‘ to set the minute for the shift
Press ‘ Enter ‘ to confirm the selection

Setting 3: Days

Press ‘ + ‘ or ‘ – ‘ to navigate between the days displayed on the top of the screen
Press ‘ Back ‘ to exclude or include the day in the schedule set
Press ‘ Enter ‘ to confirm the selection

Automatic Color Schemes (Mode ES04)

To have the clock change the color of the print after a certain time of the day has passed, enter ES04 mode to begin. Press ‘ Enter ’ when ‘ ES04 ’ appears on the screen when entering programming mode.

Code 01 – 24: Change Schedule

There are four settings to be set for each code. Once all four have been confirmed, the code will increase by one and another set can be confirmed.

Setting 1: Hour

Press ‘ + ‘ or ‘ – ‘ to set the hour of the day for the change
Press ‘ Enter ‘ to confirm the selection

Setting 2: Minute

Press ‘ + ‘ or ‘ – ‘ to set the minute for the change
Press ‘ Enter ‘ to confirm the selection

Setting 3: Days

Press ‘ + ‘ or ‘ – ‘ to navigate between the days displayed on the top of the screen
Press ‘ Back ‘ to exclude or include the day in the schedule set
Press ‘ Enter ‘ to confirm the selection

Setting 4: Color

Press ‘ + ‘ or ‘ – ‘ to select the color of the ink to be used
Select ‘ 01 ‘ for red
Select ‘ 02 ‘ for black
Press ‘ Enter ‘ to confirm the selection

Set Password (Mode ES05)

To set a password for the device when entering programming mode, enter ES05 mode to begin. Press ‘ Enter ’ when ‘ ES05 ’ appears on the screen when entering programming mode.

Code 01: Enable or Disable Password

Press ‘ + ‘ or ‘ – ‘ to enable or disable the password functionality
Select ‘ 00 ‘ to disable passwords
Select ‘ 01 ‘ to enable passwords
Press ‘ Enter ‘ to confirm the selection

Code 02: Set Password

Requires Password to be enabled

Press ‘ + ‘ or ‘ – ‘ to adjust the 1st password entry
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to adjust the 2nd password entry
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to adjust the 3rd password entry
Press ‘ Enter ‘ to confirm the selection
Press ‘ + ‘ or ‘ – ‘ to adjust the 4th password entry
Press ‘ Enter ‘ to confirm the selection

Note: make sure you write down your password and store it in a secure place.

Note: If a password has been set on the clock, a “– – – –“ prompt will appear when entering Program Mode. You will need to enter your password to access the clock menus. If you misplace your password you will need to contact Acroprint at (800) 334-7190 for assistance to reset your password.

Menu Trees: Quick Reference

Mode ES00: Date & Time Settings

Mode: ES00	▼= [Enter]
▼	
01 – Year	Default: Year of last firmware update
▼	
02 – Month / Date	Default: 01 01
▼	
03 – Hour / Minute	Default: 12 00 AM (00 00 for 24-hour Format)
▼	
04 – 12/24 Hour Format	Default: 12 (Controls the hour format for both the LCD display and print output)
▼	
05 – Daylight Savings	Default: On (01)
▼	
06 – Daylight Savings Start Date	Default: 03 13
▼	
07 – Daylight Savings Start Time	Default: 02 00 AM
▼	
08 – Daylight Savings End Date	Default: 11 06
▼	
09 – Daylight Savings End Time	Default: 02 00 AM
▼	
*10 – Vertical Alignment	Moves the print up or down
▼	
*11 – Horizontal Alignment	Moves the print left or right
▼	
*12 – Card Side Identification	00 Allows printing on both sides of the punch card without verification 01 Verifies side of the card before printing a log

Setting 06 thru 09 only appear after turning on Daylight savings 05.

***Settings 10 thru 12 only appear after holding down the 3rd and 4th keys simultaneously.**

Mode ES01: Pay Period Settings

Mode: ES01	▼= [Enter]
▼	
01 – Start of Day Time	00 00 AM (Default)
▼	
02 – Minute Print Format	00 60-minute Format 01 Decimal Format
▼	
03 – Pay Period Setting	01 Weekly 02 Bi-weekly 03 Semi-monthly 04 Monthly 05 Work mode (does not automatically compute total hours)
▼	

*04 – Pay Period End Cycle		
	Weekly	00 Sunday 01 Monday … … 06 Saturday
	Bi-weekly	Select starting date
	Semi-monthly	00 15th & last day 01 14th & last day -1 02 13th & last day -2 … … 05 10th & last day -5 06 16th & 1st
	Monthly	00 Last day 01 Last day -1 … … 05 Last day -5 06 1st day

▼

*05 – Rounding Rules	00 Nearest 1/60th of an hour (Default) 05 Nearest 1/20th of an hour 10 Nearest 1/6th of an hour 15 Nearest 1/4th of an hour

***Options 004 – 010 are hidden when Work Mode is selected under the Pay Period Setting**

*06 – Fixed Deduction Rule Start	01 – 24 hours after the first punch (Default set to 24 for “no deductions”)
*07 – Fixed Deduction Minutes	00 – 99 minutes (Set to 00 by default) ***Requires Fixed Deduction Rule Start to be enabled**
*08 – Overtime Start (Daily)	01 – 24 hours after first punch (Default set to 24 for “no deductions”)
*09 – Overtime Start (Weekly)	00 – 168 hours after first punch (Default set to 00 for “no deductions”)
*10 – Maximum Work Hours	00 – 24 maximum allowed recorded hours per day

***Options 004 – 010 are hidden when Work Mode is selected under the Pay Period Setting**

Mode ES02: Alarm Settings

Mode: ES02	▼= [Enter]
1st – Alarm Duration	00 – 99 seconds
2nd – Set Schedule	1st Set hour 2nd Set minute 3rd Set days of implementation
3rd – Select Alarm Output	01 Internal and external speakers 02 External speakers 03 Internal speakers
Next set (Up to 24 sets)	Begins next set at Alarm Duration

* Mode ES03: Automatic Column Shifting

Mode: ES03	▼ = [Enter]
▼	
Set Schedule for Column Shift	1st Set hour 2nd Set minute 3rd Set days of implementation
▼	
Set Additional Column Shifts (Up to 24 sets)	Begins next set at Set Schedule

***Mode ES03 is made available only if Work mode is used**

Mode ES04: Automatic Color Schemes

Mode: ES04	▼ = [Enter]
▼	
Set Color	01 Red 02 Black
▼	
Set Schedule for Color Implementation	1st Set hour 2nd Set minute 3rd Set days of implementation
▼	
Next set (Up to 24 sets)	Begins next set at Set Color

Mode ES05: Set Password

Mode: ES05	▼ = [Enter]
▼	
01 – Enable Password	00 Disable (default) 01 Enable
▼	
02- Set Password	Default: 0 0 0 0

Secret Settings

Some commands to change settings are not found on display during programming mode. These require the navigational buttons to be pressed down simultaneously. The commands are:

- Holding down the 1st, 5th, and 6th buttons simultaneously will reset the machine to its factory defaults
- Holding down the 2nd, 5th, and 6th buttons simultaneously will reset only the alarm, column, and color settings
- Holding down the 5th and 6th keys will clear the punch ins recorded in the unit's memory
- Holding down the 3rd and 4th keys while under Mode: ES00, three more options will be made available: Vertical Alignment, Horizontal Alignment, and Card Side Verification

Function Groups

Function Group Overview

ES00: Time Settings

- Year
- Date
- Time
- Print Format (Military or Regular)
- Daylight Savings Functionality
- Hidden
    - Daylight Savings Start Date
    - Daylight Savings Start Time
    - Daylight Savings End Date
    - Daylight Savings End Time
    - Vertical Alignment
    - Horizontal Alignment
    - Card Side Verification

ES01: Pay Period Settings

- Start of Day Time
- Minute Print Format
- Pay Period Setting
- Pay Period End Cycle
- Rounding Rules
- Fixed Deduction Rule Start
- Fixed Deduction Minutes
- Overtime Start (Daily)
- Overtime Start (Weekly)
- Maximum Work Hours

ES02: Alarm Settings (Up to 24 Sets)

- Alarm Duration
- Alarm Time
- Alarm Days

ES03: Automatic Column Shifting (Up to 12 Sets)

- Shifting Time
- Implementation Days

ES04: Automatic Color Schemes (Up to 24 Sets)

- Set Color
- Implementation Times and Days

ES05: Set Password

- Enable or disable password function
- Set password

Function Group Table by Mode

Mode ES00:

Code	Function
01	Adjusting the Year setting
02	Adjusting the Month/Day setting
03	Adjusting the Time setting
04	Adjusting the Time Format setting
05	Turning the Daylight Savings function on or off
06	Selecting the beginning date for Daylight Savings
07	Selecting the time for the beginning Daylight Savings date
08	Selecting the end date for Daylight Savings
09	Selecting the time for the ending Daylight Savings date
10	Adjusting the vertical alignment of the print to match the card
11	Adjusting the horizontal alignment of the print to match the card
12	Allows / Prevents printing on the wrong side of the card when applicable

Mode ES01:

Code	Function
01	Adjusting the time a day begins
02	Selecting the Minute Time Format setting
03	Selecting the Pay Period Setting
04	Adjusting the day for the Pay Period Cycle end
05	Selecting the Rounding Rules
06	Adjusting the time when the Fixed Deduction rule takes effect
07	Adjusting the amount of time to be reduced at a fixed rate
08	Adjusting the number of hours in a day required before overtime takes effect
09	Adjusting the number of hours in a week required before overtime takes effect
10	Adjusting the maximum allowed work hours within a day

Mode ES02:

Code	Function
00	Adjusting the alarm duration
01 – 24	Adjusting alarm hour
	Adjusting alarm minute
	Adjusting days when the alarm set will trigger

Mode ES03:

Code	Function
01 – 12	Adjusting the hour when the column shifts
	Adjusting the minute when the column shifts
	Adjusting the days where the rules are implemented

Mode ES04:

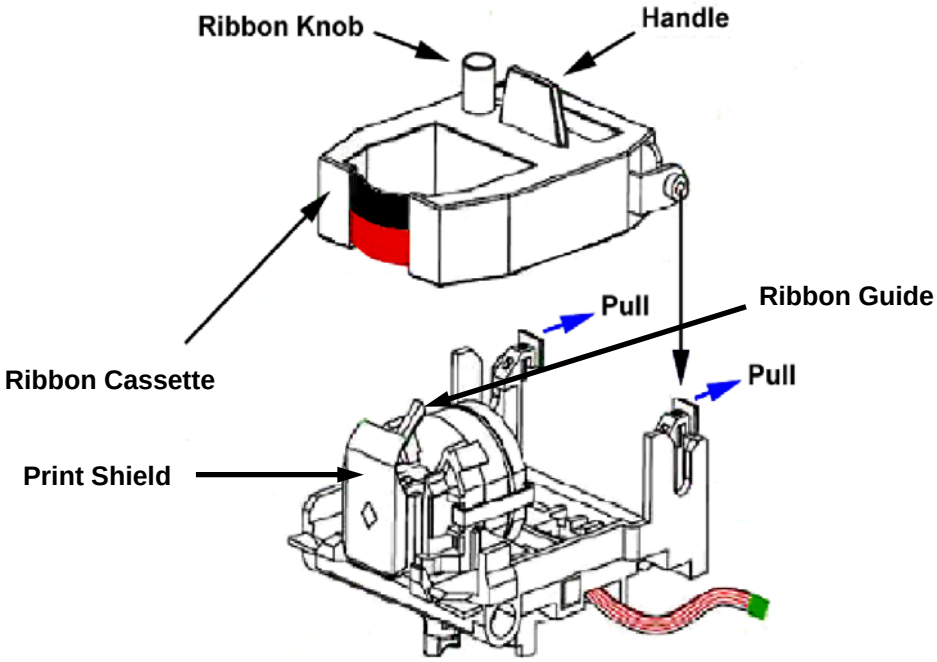
Code	Function
01 – 24	Adjusting the hour when the color will change
	Adjusting the minute the color will change
	Adjusting the days where change set will occur
	Color to be used

Mode ES05:

Code	Function
01	Enables or disables the password function
02	Sets the password

Appendix

Changing the Clock Ribbon



1. Open clock cover. Move Programming Switch to “Prog”. The print head will move to the center of the clock so that the ribbon cassette can be more easily accessed.
2. Pull the ribbon holder tabs towards you to unlock the ribbon cassette and use the handle on top of the ribbon to pull the cassette out.
3. Insert replacement ribbon. Make sure to feed the ribbon over the black ribbon guide and slide the ribbon down between the guide and the silver print shield. Push the ribbon down until it clicks into place. If it doesn’t click into place turn the ribbon winding knob clockwise to finish seating the cassette and to remove any slack in the ribbon.

Ribbon Life

The ATR480 ribbon will typically last 3 months with 50 employees punching 6 times per day (~18,000 punches). Actual ribbon life will vary based on the number of punches, humidity, temperature and exposure to air.

Cleaning the Clock

Do not use cleaning products that contain alcohol or other strong chemicals as they could discolor or crack the terminal housing. Use a soft damp cloth to remove dirt. Wipe dry.

Operational Battery Pack

The ATR480 is equipped with a 9-cell NiCD (Nickel-Cadmium) Operational Battery Pack that recharges when the ATR480 is plugged in. In the event of a power failure the clock will instantly switch to battery power without any interruption in service as long as the Battery Power switch is set to “Batt. On”. The operational battery pack allows for full operation (punching) of the clock. The LCD backlight is not activated when the clock is running on battery power in order to save power, however, the LCD display is plainly visible in a lighted room.

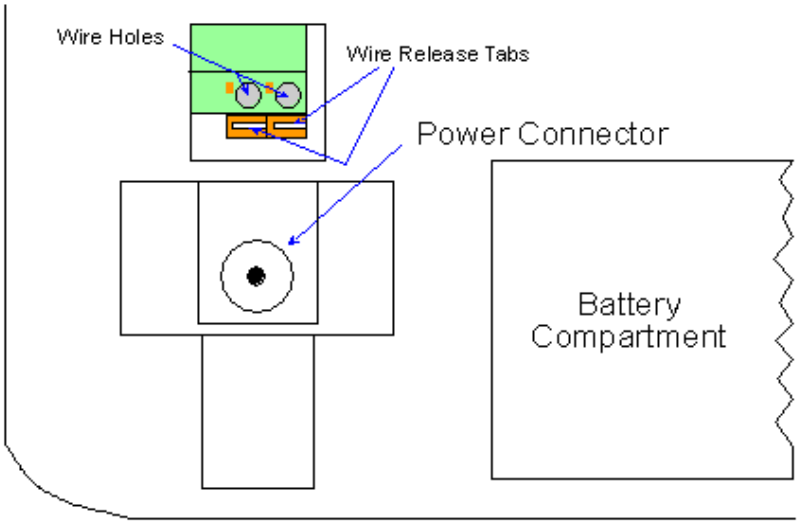
Battery Pack Specs:

Voltage: DC 10.8v
Capacity: 800mAh

The ATR480 should be plugged in for 24 hrs to fully charge the battery pack.

Connecting External Signal Devices (Bells & Horns)

The connections for an external signal device (bells, horns, buzzers, chimes, etc) are made via a 2-wire Green terminal block on the back of the clock above the power jack. Connections are made by pressing the orange wire release tabs below each wire hole, fully inserting the wire and releasing the clip. Gently pull on the wires to make sure they are firmly secured in the terminal block.



Clock Back Housing, Lower Left Corner

In order to use a bell or horn a relay is required. Please call Acroprint or your Dealer to order the relay (PN 01-0230-000).

When a signal is activated by the clock the internal contacts of the relay close and complete the circuit. These internal contacts are "dry" and supply no voltage. Voltage applied to these contacts must not exceed 30 volts. The relay then activates the 120v external signal device such as:

65-0103-000 "Grille Horn"

65-0104-000 "4-1/4" Bell"

65-0105-000 "8" Bell"

For more information about connecting an external signal device using a relay go to:

http://support.acroprint.com

Under “Time Clocks & Document Stamps” click on “ATR480 Time Clock” in the drop down menu and download 06-0346-000 “Connecting an External Signal Device”.

See the section “Alarm Settings (Mode ES02)” for info on setting up schedules on the ATR480.

Wall Mounting Instructions

The ATR480 can be placed on a table or desk and it can also be mounted to a wall. A mounting template is included with the documents for the ATR480. If you misplace the template you can download it at:

http://support.acroprint.com

Under “Time Clocks & Document Stamps” click on “ATR480 Time Clock” in the drop down menu.

Follow the instructions on the template to mount the clock.