

SECTION 7

Troubleshooting

This section lists the errors that may occur during F400 operation, along with their probable causes and remedies.

TABLE OF CONT.
PREV. CHAP.
FOLL. CHAP.

If a message marked with ERR is displayed, the error indicator for the F400 and the error terminal on the terminal block will turn ON.

Message	Probable Cause and Remedy
Adjusting white balance is failed.	Adjustment of RGB was not possible. The RGB cannot be adjusted properly if the image from the camera is too bright or too dark. Use the lens aperture and lighting to adjust the brightness at the center of the screen before re-attempting operation.
Camera is not connected.	The Camera Cable is not connected properly to the F400. Stop operations, turn OFF the power supply, check that the Camera Cable is connected properly, and turn ON the power supply again.
Draw at least one OR figure.	NOT is used to delete part of a drawn diagram. Draw a graphic in OR mode first.
Illegal syntax in equation.	An equation has been incorrectly set. Check the that the following conditions are true before re-attempting operation: <ul style="list-style-type: none"> •There are the same number of right and left parentheses. •There is not more than one region number in a row. •There is not more than one operator in a row. •There is not more than one constant in a row. •There is not more than one function in a row without a variable in between them. •There are not too few or too many function variables.
Incorrect data format received.	The data being sent to the external device via the RS-232C port is in an incorrect format. Stop operations and turn OFF the power supply. Check that the following conditions are true before resuming operation: <ul style="list-style-type: none"> •The RS-232C cable is correctly connected. •The terminal block is correctly wired. •The communications settings for communications with the external device have been correctly set. If the error still occurs after performing the above checks, the F400 unit may be faulty. Contact your nearest OMRON representative.
Insufficient flash memory.	Data cannot be saved because there is insufficient flash memory available. Decrease the size of the region to be registered, or delete regions stored in memory that are no longer required before re-attempting operation. If the error persists, the flash memory itself may be damaged. Contact your OMRON representative.
Insufficient work memory.	Models and regions cannot be saved because there is insufficient work memory available. Perform one of the following operations and re-attempt registration: <ul style="list-style-type: none"> •Reduce the size of the model or region to be registered. •Delete models and regions that are no longer required.
Set different colors for character and background.	The same color is selected for characters and menu background. •Characters cannot be read if the same color is used for characters and background. Select different colors for them.
Set parameters so that Output Period \geq Gate ON delay + Gate ON time.	The output period in the communications settings has been incorrectly set. Reset the settings so that Output period \geq Gate ON delay + Gate ON time

Message	Probable Cause and Remedy
Set parameters so that Rectangle area + Margin*2 > 0.	Cursor frame or margin could not be set. •Widen the cursor frame to match the margin setting or increase the margin setting.
Timeout error.	Transfer has been interrupted due to a timeout error for communications with the external device. Stop operations, turn OFF the power supply. Check that the following conditions are true before resuming operation: •The RS-232C cable is correctly connected. •The terminal block is correctly wired. •The communications settings for communications with the external device have been correctly set. If the error still occurs after performing the above checks, the F400 unit may be faulty. Contact your OMRON representative.

TABLE OF CONT.

PREV. CHAP.

FOLL. CHAP.