

Title: Ocelot Communication Bus Terminator (ECO-CE00029)

Product: Ocelot Routing Switcher Systems.

Date: November 8, 2000

Issue:

Under certain conditions, reflections on the Ocelot communication bus can cause control panel push button lamps to flicker.

Solution:

A redesigned Ocelot Controller Assembly is used with Ocelot Communication Bus Terminators (PESA Part No. 81-9065-2189-0) to eliminate this problem.

The Ocelot Controller has been revised by replacing R205 and R206 with 0.0 Ohm resistors (PESA Part No. 81-9066-2152-0).

When installing an Ocelot Routing Switcher System, the following requirements must be complied with:

1. **Number of Daisy-Chains:** No more than two RCP bus daisy-chains shall be connected to any Ocelot system.
2. **Topology:** The RCP bus daisy-chains shall only originate at a main frame, and shall not branch at any point.
3. **Power Supplies:** Every RCP shall be connected to its own power supply.
4. **Number of Control Panels:** No more than 16 control panels (local and remote combined) shall be connected to any Ocelot system.
5. **Cable Length:** The total cable length in any RCP bus daisy-chain shall not exceed 300 feet (dual drivers = 300' per daisy-chain, not 300' per main frame).
6. **Bus Termination:** Each RCP bus shall be terminated as follows:
 - a. **Daisy-Chain:** An RCP bus terminator shall be installed in the unused RJ-45 connector on the last RCP in every daisy chain.
 - b. **Main Frame:** An RCP bus terminator shall be installed in all unused RJ-45 connectors on the main frame.



Figure 1. Ocelot Communication Bus Terminator