```
--Function to read value from analog register
function ReadRegister(device, analogPin)
   local inst = mc.mcGetInstance()
   local hreg = mc.mcRegGetHandle(inst, string.format("%s/Analog input %s", device, analogPin))
   return mc.mcRegGetValueString(hreg)
end
--Function to set FRO value
function SetFRO(analog)
   local percent = analog/1*250 --Calculate percentage from 0% to 250%
   local inst = mc.mcGetInstance()
   mc.mcCntlSetFRO(inst, percent)
end
--Main
local device = "CNC controller" --Change this to the name of your PoKeys device
local analogPin = "41" --Analog input pin number

analogVal = ReadRegister(device, analogPin) --Save analog register value in variable
SetFRO(analogVal) -- Set FRO value in %
```

In the PoLabs example the above file is saved as “PoKeys_analog_FRO.lua” into the Mach4Hobby Folder.

Then this line below goes just above the final lines at the bottom of the PLC script,

dofile(“C:\\Mach4Hobby\\Pokeys_analog_FRO.lua”)