FPWINPRO 7 PLC PROGRAMINA ŞİFRE ATAMA

| PLC de her yeni proje açtığımda yapılı gereken bazı ayarlar vardır.İlk olarak | ması Jramming sy bunları | ystem | | |
|---|---|---|---|-------------------|
| yapalim. | Debug | Extras Window | Help | |
| 📴 🛃 🗃 👺 👺 🗋 🎒 👫 Program | <u>.</u> 1 | Selete unuse | d variables | |
| 🎒 🎒 📩 🥞 🔵 🎜 🗔 🤅 🛨 🖂 | 57 57 57 57 57 57 | Options | | |
| Project Ekranın üst kısmında Extras kısmından Opti segmesine tıklayalım. | bulunan | | | |
| Options | | | | × |
| ✓ Program options Array eler General Number of Editors Number of Fonts and colors ✓ CSV export ✓ Oross-reference ✓ Navigator ✓ Status bar ✓ ✓ Print options ✓ Address ranges Labels/Index registers ✓ | nents to show f recent projects on project tart page if project is open atically save the project info ading the program code an ination memory is available atically change to ROG mode and change to ROM mode ind PLC configuration | menu ormation in the PLC a d PLC configuration, i and activated de, upload the PLC co while downloading the Daha sonra cu | 10 - 50 - fter if onfiguration, he program | nin sol tarafında |
| Code generation Autom Additional errors consist | atically start monitoring of tent | bulunan Progr | ram options l | kisminda Gener |
| Ask for going a | r download of the program online if the project is not co | tuşundan bu il | ki segme işar | etlenir. |
| OK | Cancel | Default | Apply | Help |

| Options | |
|---|---|
| Program options General Editors Fonts and colors CSV export Cross-reference Navigator Status bar Print options Address ranges Labels/Index registers Code generation | Initialization of return variat altında 'Code generation' Initialization of return variat altında 'Code generation' Initialization of return variat kısmına gelerek bu segme de Initialization of return variation kısmına gelerek bu segme de Initialization of return variables by program code. isaretlenir. Initialize all retain variables by program code is transferred to the PLC e.g. via SD card. Initialize all other retain variables which have been assigned an explicit address. Initialize all other retain variables by program code. Default string length (characters) 32 Image: Comparison of the program code is transferred to the plus of global retain variables by program code. Default string length (characters) 32 Image: Plus of global retain variables by program code. Default string length (characters) 32 Image: Plus of global retain variables by program code. Default string length (characters) 32 Image: Plus of global retain variables Indexed function block instances Plus of global retain block instances |
| Additional warnings | Path\file name to store compile/check messa program yüklenmesinde silinmemesini sağlar. Stop check at number of errors 20 ÷ Stop check at number of warnings 20 ÷ OK Cancel Default Apply |
| Options Program options General Editors Fonts and colors CSV export Cross-reference Navigator Status bar Print options Compile options Address ranges Labels/Index registers Code generation Additional errors Additional warnings | Select events in which the compiler issues additional warning messages The value of a variable is used which has been written in the same network. (Split the network to avoid unexpected results.) One and the same output address is used multiple times. User addresses of global variables overlap. Explicit user addresses instead of system variables or global variables are used. In a GR type editor, address ranges of an instruction cannot be calculated, e.g. when indexet addresses are used. Globalde veya sistemde tanımlama yapmadan derlediğimizde Warning oluşmasın diye bu segme görüldüğü gibi pasif edilir. |
| Yapılan bu ayarlamala | rdan sonra Ok deyip çıkalım. |

İlk olarak FPWINPRO 7 programı açılır.

Daha sonra programımızı yazalım.



Şimdi ise program yükleme işlemini yapalım.

| 🞽 🖬 | 🖬 🛱 🙀 🕺 🖓 | Program_1 | | * | 1 | | 1 | 1 | 0 | | ۳ <mark>۵</mark> | ₽ D | 5 | 9 | = | | | | 2 | 2 | 1 | | <mark>/1</mark> | . | <u>_</u> | łŀ | a P | ŀ Ø | S |
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| Project | → ↓ | L 🗙 📴 Pi | rogram_1 | × | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 ° | è 🍣 🔟 🕼 🧇 | | Class | | | Ide | entifie | er | | | | | | | | | 1 | Гуре | | 1 | | | | Init | ial | | (| Comn | ner |
| Project [Untitled] | | | VAR | | | | Or | nlir | ne | mc | de | tu | ışu | Ina | a b | as | alı | m. | • | | | | | | | | | | |
| > | Tasks | 1 | | | | | | | | | | | R0 | | | | | • | | YO |) .)- | | | | • | • | | | |
| | Global variables POUs (4 steps) | | | | | • | | | | • | · · | | | | | | • | | | | | • | | - | | | • • | | |
| | 마명 Program_1 (PRG, 4 s | ^{teps)} 2 | | | · · | • | · · | · · | • • | · · | • • | • | • | • | · · · | • | • | | · · · | • | • | • | · · | · · | • | • | • • | | |
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| Compile project? | Compile all composing baseling | × · | | | | | | | | |
|--|--------------------------------|--------|--|--|--|--|--|--|--|--|
| Data for the current project is out of date. | | | | | | | | | | |
| Compile all | Compile incrementally | Cancel | | | | | | | | |
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| Control Fl | PWIN Pro 7 | × |
|------------|--|--|
| ? | The program code in FPWIN Pro the PLC. The PLC configuration in FPWIN | o is different from the program code in |
| | configuration in the PLC. Do you want to download the p configuration? | PLC ye yükleme yapmak ister misiniz diye sormaktadır.Biz sadece online olmak istediğimiz için Hayır diyelim. |
| | | Evet Hayır |

| 💕 🛃 🗃 👺 🗱 🛝 🛃 👫 Prog | ram_1 | - % 🖻 (| 第 話 お ~ ~ 1 3 | 😫 🗏 📲 🖉 📝 | 📴 🔒 🏒 👉 e |
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| 💐 🖏 🔹 🔍 🖬 🗔 😓 😤 🛨 🛛 | > 27 J. 27 Z. 28 Z. | 🖷 -RUM | Bu şekilde ekran ka | arşımıza çıkacaktır. | |
| Project 👻 🖵 🗙 | 마명 Program_1 × | < | | | |
| 왕 🐂 🕹 🕺 🛈 년 🧼 | Class | Ident | ifier | Туре | Initia |
| Project [Untitled] | 0 VAR | | | | |
| Libraries | _ | 1 | | | |
| > Tasks | 1 | | · · · · · · · R0 · · | | · · Y0 · · · |
| | | | | | |
| ✓ De POUs (4 steps) | | | | | |
| Programımızı PI C ve vüklemek | icin bu | | | | |
| butona basalım. | Ş. OC | | | | |
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| ٦ | ors b | rogra | im_1 × | | | l el e | | <i>c</i> | | so | nr | a g | öri | ild | üğ | ü ş | ;ib | i p | ro | gr | am | IIN | nız | PL | .C y | e | | | | | | <u> </u> | | | | | |
| 1 | 0 | V | AR | | | ICIE | enti | mer | | γί | iklo | enr | niş | ve | 90 | nli | ne | şe | eki | Ide | e k | ar | şın | nız | a ç | ika | r. | | | | | 0 | mn | nen | τ | | |
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| s) | 2 | | | | • | • | • | • | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • • | • | • | • | • | • | • | • | • | • | • | •••• | • | • |
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| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 👘 Untitled - Control FPWIN Pro 7 - 1 | The IE | C 61131-3 pro Şimdi şifreleme işlemine başlayalım. |
|--------------------------------------|------------|--|
| Project Object Edit Tools | Onli | ne Monitor Debug Exclas Window Help |
| i 💕 🔒 🗑 💖 💖 🚨 🔗 | ģ | Online mode Shift+Esc 👷 😝 💷 🖅 😰 🕃 |
| iat al 🔹 👘 🛛 🔊 🖓 | ¢ | Online edit mode |
| Droject | | Communication parameters |
| | | Network parameters |
| | | PLC type |
| Project [Untitled] | | Security settings |
| Libraries | an a | Download program code and PLC configuration secilir. |
| > Tasks | a ; | Download program code changes |
| DUTs | 31 | Upload program code and PLC configuration |
| Global variables | ' | |
| POUs | | |
| Program_1 (PRG, (| | Verify program code and PLC configuration |
| | | Memory transfer services |
| | | IC memory card manager |
| | •RUN | Change PLC mode |
| | | 3 |
| | | |
| | | |

| programımızı şifrelemek için iki | | | | | | | | |
|----------------------------------|--|---|------------------------|--|--|--|--|--|
| enek vardır. | 1.seçenek | | ~ | | | | | |
| Status information | Karşımıza böyl | e bir ekran çıkacaktır. | | | | | | |
| Password protection: | No password | l set | | | | | | |
| Upload protection | Bu seçenek işa çekme tamam artık programı programı tama | retlendiğinde PLC den progra ı ile engellenir.Projeyi yapan çekemez.PLC ye erişim içind amı ile silerek mümkün olur. | am kişi bile eki | | | | | |
| PLC protection | 'Enable upload | protection' segmesini | | | | | | |
| Password | işaretlediğimiz | de eğer benim elimde PLC n | in Ek bilgi (1) | | | | | |
| Please enter up to 8 characters | içindeki progra | am var ise o programın içine | girip | | | | | |
| Enter old password | programı deği | ştirebilir tekrar yükleyebilirin | n | | | | | |
| Enter new password | Yine Enable up | oload protection segmesi seçi | ili olan | | | | | |
| | bir PLC için eliı | nde PLC içindeki program ol | masa Ek bilgi (2) | | | | | |
| Repeat new password | dahi yeni bir p | | | | | | | |
| | farklı bir progr | ni bu segmeyi işaretlemem P ram için yükleme yanmamı | LC ye | | | | | |
| FP memory Loader | engellemez | | | | | | | |
| Enable upload protection | | | | | | | | |
| Allow download to PLC on | nly if password in t | he PLC is the same | | | | | | |
| | | | | | | | | |
| PLC. | | | | | | | | |
| Please enter up to 8 characters | | | | | | | | |
| Enter password | | Login | | | | | | |
| | | | | | | | | |
| | | Logout | | | | | | |
| | | | | | | | | |
| Bu pencereyi kapa | tıp program çekm | ieyi | | | | | | |

| 🚖 Start pag | t page × | 2025/07 |
|-------------|--|---|
| | Program çekme işlemi bu segmeden yapılır. | |
| | FPWIN Pro | |
| | Rew project from file | |
| | C Users user /Desktop /Untitled.pro C Users user /Desktop /SAVIOR //D. ornek.pro C Users user /Desktop /SAVIOR /FPX icinde olan program /Untitled.pro C Users user /Desktop /SAVIOR /FPX icinde olan program /Untitled.pro C Users user /Desktop /SAVIOR /hazr 1.pro C User / Desktop / SAVIOR /hazr | ter en en en en en en en en en en en en en |
| | G C: \Users\user\Desktop\SAVIOR\PROGRAM_DENEMELER\Untitled.pro 7 C: \Users\user\Desktop\SAVIOR\PROGRAM_DENEMELER\set-reset.pro (Double click opens the project; delete key removes the project from the list) | |
| | ✓ Hide start page if project is open | |
| | Open project from the PLC X Finable upload işaretlediğimiz | rity settings kısmında d protection' segmesini z için program çekmeme |

veriyor.

The PLC is upload protected!

Tamam

| Şifreleme içir | n 2.seçenek | | | |
|---|---|------------------------------------|------------------|--------------------|
| Security settings | | | × | |
| Status information Password protection: | No password set | | | |
| Upload protection | Şimdi de Enable u segmesini işaretle | pload protection meden yapalım. | | |
| PLC protection | | | - | |
| Password | | | | |
| Please enter up to 8 characters | | | Şifreyi girdikt | ten sonra Set |
| Enter old password | | Set protection | protection se | egmesine tıklanır. |
| | | Class and tasking | | |
| Enter new password | | Clear protection | | |
| •••• | PLC ye v | vereceğimiz şifre yazılır | . < 1.adım | 3.adım |
| Repeat new password | Touid of | hmakisin ayny sifus taku | | |
| •••• | | tmek için aynı şirre tekr | | |
| FP memory Loader | yazılır. | | | |
| Enable upload protection | | | | |
| Output to PLC on the PLC on th | ly if password in the PLC | is the same | | |
| | | | | |
| | FP memory Lo | ader modülü ile projey | i çekme veya | |
| PLC access | yükleme seçen | eği buradan engellenir | | |
| Please enter up to 8 characters | Eğer PLC nin içi | indeki program ile FP m | nemory içindeki | |
| Enter password | program aynı i | se yani eğer bu şart sağ | jlanırsa FP | |
| | memory Loade | er modülüyle programa | erişim için izin | |
| | verilir. | | | |
| | | Help | | |
| | | пер | | |
| | | | | |

| Security settings | × |
|--|----------------------------------|
| Status information | |
| Password protection: Passw | ord set and user logged in |
| | |
| Upload protection | |
| Enable upload protection | |
| Şifreleme işlemi başarılı o | laduğuna dair |
| PLC protect böyle bir bildirim alırız.Ta | mam diyelim. |
| Password | |
| Please enter up to 8 characters | |
| Control FPWIN Pro 7 | |
| | |
| The password and EP Memon | loader settings have been set or |
| changed successfully! | Louder settings have been set of |
| | |
| | |
| | Tamam |
| | |
| Enable upload protection | |
| Allow download to PLC only if passw | ord in the PLC is the same |
| | |
| | |
| PLC access | |
| Please enter up to 8 characters | |
| Enter password | Login |
| | Logout |
| Daha sonra pencereyi kapatalım. | Ve |
| programımızı kaydedip kapatalım | Help |
| | Пер |

| | New project New project from file New project from PLC Open project from PLC Open project 1.C: Users User Desktop Vania 2.C: Users User Desktop Vania 3.C: Users User Desktop Vania 5.C: Users User Desktop Vania 5.C: Users User Vesktop Vania 6.C: Users User Vesktop Vania 6.C: Users User Vesktop Vania 7.C: Users User Vesktop Vania | Educo Simdi programı çekme deneyelim. | anasonic ontrol işlemini tekrar | |
|---------|---|---|---------------------------------------|--|
| | (bouble click opens the project, | delete key lemoves the project nom the | iist) | |
| Control | FPWIN Pro 7 | | Programı PLC böyle bir ekra | den çekmek istediğimde n çıkar.Evet diyerek devam |
| 2 | The PLC is write or p | assword protected | edelim. | |
| | To continue you nee Do you want to oper | d to be logged in to the Pl the security settings dialog | g to log in? | |
| | | Evet | Hayır | |

| Security settings | | > | × |
|---------------------------------|--------------------|-------------------|---|
| | | | |
| Status information | | | |
| Password protection: | Password protected | ed | |
| Password retry count: | 3 | | |
| Helendersterder | | | |
| | | | |
| Enable upload protection | | | |
| | | | |
| PLC protection | | | |
| Password | | | |
| Please enter up to 8 characters | | | |
| Enter old password | | Change protection | |
| | | | |
| Enter new password | | Clear protection | |
| | | | |
| Repeat new password | | | |
| Repeat new password | | | |
| | | | |
| | alle calify To | | |
| karşımıza böyle bir pencere | çıkacaktır. En | | |
| altta bulunan Enter Passwol | rd kismina | C is the same | |
| belirlediğimiz şifreyi yazaral | (Login | | |
| butonuna tıklayalım. | | | |
| PI | | | |
| Please enter up to 8 characters | | ` . | |
| Enter password | | Login | |
| | | Login | |
| | | Logout | |
| | | | |
| | | Unin | |
| | | нер | |
| | | | |

SAVIOR OTOM

Görüldüğü üzere şifre oluşturarak program çekme işlemimiz başarıyla tamamlanmıştır.

STEK BİRİMİ

- ↓ × ¤ª Program_1 × Project 🛊 🐂 🗞 ≷ 🛈 🗷 🧇 Class Identifier Туре Initial Comment VAR 📷 PLC (FPOR 16k C10,C14,C16) ş. 👔 Libraries Ş. 1 R₀ YO 🛛 🍓 Tasks Programs (Event = TRUE, (S)-Interrupt 0 (Event = 10) 🥠 Interrupt 1 (Event = I1) Interrupt 2 (Event = 12) 2 Interrupt 3 (Event = 13) Interrupt 4 (Event = 14) Interrupt 5 (Event = 15) Interrupt 6 (Event = 16) 3 Interrupt 7 (Event = 17) Interrupt 8 (Event = 18) Interrupt 9 (Event = 19) Interrupt 10 (Event = 110) 🖇 Interrupt 11 (Event = I11) Periodic interrupt (Interval) 🛓 DUTs 🛃 Global variables POUs (4 steps) 마명 Program_1 (PRG, 4 steps)

Şimdi ise program üstünde herhangi bir değişim yapıldığında tekrar şifre istemesi için çıkış yapalım.

👘 Untitled.pro - C



| Security settings | | ekran karşımıza gelecektir. Password set and user logged in protection aracters Change protection Clear protection protection Ito PLC only if password in the PLC is the same Logout segmesine tıklayalım. aracters Logout | | | |
|--------------------|--|---|--|--|--|
| , , | Bu ekran karşımıza gelecekti | ekran karşımıza gelecektir. Password set and user logged in rotection rotection rotection to PLC only if password in the PLC is the same Logout segmesine tıklayalım. racters Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Logout in the PLC is the same Rotection | | | |
| Status information | L | ekran karşımıza gelecektir. Password set and user logged in rotection rotection rotection rotection to PLC only if password in the PLC is the same Logout segmesine tıklayalım. racters Logout segmesine tıklayalım. Logout | | | |
| Password protec | Bu ekran karşımıza gelecektir. | | | | |
| | | | | | |
| Upload protection | | | | | |
| C Enable up | load protection | | | | |
| | | | | | |
| PLC protection — | | | | | |
| Password | | | | | |
| Please enter up to | 8 characters | Password set and user logged in Change protection Clear protection password in the PLC is the same t segmesine tiklayalım. Logout Help | | | |
| Enter old passwor | d | Change protection | | | |
| •••• | | | | | |
| Enter new passwo | rd | Clear protection | | | |
| | | | | | |
| Repeat new passv | vord | mıza gelecektir. Password set and user logged in Change protection Clear protection Clear protection Ture Login Logout Help | | | |
| | | Password set and user logged in Change protection Clear protection Fpassword in the PLC is the same ut segmesine tiklayalım. Logout Help | | | |
| FP memory Loade | er | Aniza gelecektir. | | | |
| Enable up | load protection | rşımıza gelecektir. Password set and user logged in Change protection Clear protection if password in the PLC is the same out segmesine tıklayalım. Login Logout Help | | | |
| Allow dow | Inload to PLC only if password in the PL | Symiza gelecektir. Password set and user logged in Change protection Clear protection Image: Imag | | | |
| | Logout segmesine tu | x a gelecektir. | | | |
| | | | | | |
| PLC access | | | | | |
| Please enter up to | 8 characters | | | | |
| Enter password | | ssword set and user logged in Change protection Clear protection ssword in the PLC is the same segmesine tiklayalim. Login Logout Help | | | |
| •••• | | Sumiza gelecektir. Password set and user logged in Change protection Clear protection Image: Clear protection Fpassword in the PLC is the same ut segmesine tiklayalım. Login Login | | | |
| | | Logout | | | |
| | | Password set and user logged in Change protection Clear protection password in the PLC is the same ut segmesine tiklayalım. Logout Help | | | |
| | | Help | | | |
| | | n karşımıza gelecektir. Password set and user logged in ion s Change protection iiii Clear protection iiii iiii iiii iiii iiii iiii iiii | | | |

| Daha sonra bu pencere çıka | acaktır. |
|---|---|
| Security settings | × |
| Status information | |
| Password protection: Password prote | cted |
| Password retry count: 3 | Runun enlemini de hurede egikleuelum Dežru cifreui |
| | bunun anlamini da burada açıklayalım.Doğru şirreyi |
| Upload protection | girmek için 3 nakkımız olduğunu belirtmektedir.Eger 3 |
| Enable upload protection | kez yanlış girersem PLC nin enerjisini kesip tekrar |
| | vermem gerekir. |
| PLC protection | |
| Password | |
| Please enter up to 8 characters | |
| Enter old password | Change protection |
| | |
| Enter new password | Clear protection |
| | • |
| Repeat new password | |
| | |
| | |
| FP memory Loader | |
| Enable upload protection | |
| Allow download to PLC only if password in the | PLC is the same |
| | |
| | |
| PLC access | |
| Please enter up to 8 characters | |
| Enter password | Login |
| | Logout |
| | 103001 |
| | |
| | Help |
| Görüldüğü gibi çıkış yapılmıştır.Şimdi bu pen | cereyi |
| kapatıp program üstünde değişiklik vapmavı | |
| denevelim. | |
| | |

🖌 👫 유 🗈 吗 의 옷 안 했 🕫 🕄 🗷 ഈ 🕾 😒 🐨 🐨 의 이 이 🔊 ഈ ഈ 위 수 🕼 🐨

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| PLC protection | | |
| Password | | |
| Please enter up to 8 characters | | |
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| FP memory Loader | | |
| Enable upload prote Şifi | reyi bu kısma girdikt | en sonra Login |
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